



A BULLETIN
FROM
TIFAC

INTELLECTUAL PROPERTY RIGHTS (IPR)

VOL 10, NO. 2-3, February-March, 2004

The Hatch-Waxman Act: Tool for Approving Generic Drugs

The Drug Price Competition and Patent Term Restoration Act, commonly known as the Hatch Waxman Act, was enacted in USA in 1984. The Act deals with the approval of generic drugs and associated conditions for getting their approval from the Food and Drug Administration (FDA), market exclusivity, rights of exclusivity and patent term extension and Orange Book listing. Understanding of this Act is important for the present debate going on in respect of generic drugs and market exclusivity of drugs. This Act makes several changes in the US patent laws as they apply to pharmaceutical products. These changes include extending the term of a patent to account for delays in the regulatory process for awarding market approval, exemption from patent infringement for activities associated with regulatory marketing approvals, establishment of mechanisms to challenge the validity of a drug patent, reward for disputing the validity, enforceability and infringement of a patented and approved drug.

The concept of generic drugs has been quite old in the USA. It was observed sometime after 1962

that out of 150 off patent drugs, there were no generic drugs as generic companies did not want to spend time and money on clinical trials of generic drugs in spite of the fact that generic drugs may be cheaper than the parent drugs. Certainly this was a matter of concern as patients were deprived of the option of cheaper drugs due to impractical and perhaps non-scientific manner in which the regulatory authorities viewed the approval process and insisted upon proving the obvious. The Hatch Waxman Act addressed these issues and stipulated many reforms including the mechanism for approval of generic drugs, which had to be initiated as Abbreviated New Drug Application (ANDA), for the purpose of market approval.

Some general provisions of the Act are given below:-

1. Each holder of an approved new drug application (NDA) must list pertinent patents it believes would be infringed if a generic drug were marketed before the expiration of these patents. The FDA maintains this list of patents in its publication, Approved Drug Products with Therapeutic Equivalence Evaluations, commonly known as Orange Book.
2. FDA could only ask for bioavailability studies in respect of an ANDA and not for clinical

PFC's New Initiative in Training Women Scientists

In order to harness the women power which forms fifty percent of our work force, the Department of Science & Technology, Government of India has initiated a Women Scientists Scholarship Scheme. The scheme aims at utilizing the dormant potential of women qualified in science and technology by giving them opportunities for practicing their knowledge of science and technology in a fruitful manner. Under the DST's instructions, PFC has launched a one year scholarship for women scientists to train them in the area of intellectual property rights especially patents. This training may help the selected women in starting self employed enterprise or finding suitable employment elsewhere. Twenty women have been selected from all over the country after rigorous scrutiny. PFC had approached a number of agencies including law firms and govt. departments for helping it in training women scientists in this area. Till now sixteen women have been placed with the following attorney firms/govt. departments :

1. M/s S. Majumdar & Co, Kolkata

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trials etc. (For the purpose of determining bioavailability the FDA uses the $\pm 20\%$ test to determine blood serum bioavailability i.e., the amount of active ingredient in the blood over a period of time has to come within $\pm 20\%$ of that which is observed with the patented drug.)

3. While filing an ANDA a generic firm must certify one of the following:
 - (i) that the patent information on the drug has not been filed (in the Orange Book),
 - (ii) that the patent has already expired,
 - (iii) the date on which the patent will expire, and that the generic drug will not go to the market until that date passes; and
 - (iv) that the patent is invalid or will not be infringed by the manufacture, use or sale of the generic drug.

The above certifications are now called paragraph I, II, III and IV certifications. If the applicant makes either the first or the second certification, approval can be made effective immediately. Under the third certification, approval for the ANDA can be made effective from the date of patent expiration.

An applicant filing a paragraph IV certification must notify the patent holder who can take up to 45 days to bring an infringement action after receiving such notification. If the patent holder fails to bring such an action within the stipulated time, the certification of the ANDA applicant will be accepted by the FDA. If an infringement action is brought in time, the FDA must suspend approval of the ANDA until the date of the court's decision. If the court decision goes in favour

of the patent owner, the FDA will suspend the approval till the date of the patent expiry. However, the maximum time available for coming to a decision is 30 months after the expiry of 45 days.

The first generic applicant to file paragraph IV certification is awarded a 180 days market exclusivity period by the FDA. (The 180 days exclusivity will start at the earliest of two dates: the date of start of the commercial marketing of the generics or the day a court decides that the patent which is subject matter of the paragraph IV certification is invalid or not infringed.)

4. A new molecular entity (NME) approved by the FDA will enjoy data exclusivity for a period of 5 years from the date of approval of the NME by the FDA. A generic version cannot be approved for these 5 years.
5. There would be 3 year data exclusivity period for supplements requiring clinical trials.
6. There is a provision for extending the patent term of an NME or a drug if undue delays take place during the regulatory process (approval by the FDA). This period cannot exceed five years. A patent for which an application was filed, let's say, on 25/02/2004, will have a term of 20 years up to 24/02/2024 under normal circumstances. Usually, companies will approach the FDA only after filing the patent application. Therefore, in case of extension, the term can be extended up to 24/02/2029 if it is established that a delay of 5 years or more had taken place in the regulatory process. The company will have to exercise due diligence in order to achieve patent term extension (restoration).

The Act, as can be seen, aims at promoting generics without putting

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PFC's New Initiative...

2. M/s Lall Lahiri & Salhotra, Gurgaon
3. M/s Anand & Anand, New Delhi
4. M/s Lakshmi Kumaran & Sridharan, New Delhi
5. Indian Council of Medical Research, New Delhi
6. Evalueserve.com Pvt Ltd, Gurgaon
7. Unit for Research & Development of Information Products (URDIP), CSIR, Pune
8. Patent Facilitating Centre, TIFAC

The women candidates shall be subjected to an on the job training on IPR, especially patents. They shall be required to do patent searches, prepare technology scan reports and reports on novelty assessment of inven-



tions. A ten days Orientation Programme was organized by PFC to train these women in basic principles of IPR, patent searches, preparing technology scan reports and doing patent analysis. Expert faculty was invited to deliver lectures on topics like "Need of Patenting System", "Basic Features of Patent Act", "Patenting in Chemicals", "Patenting in Biotechnology", "Novelty & Non-obviousness in Patents" and others. Two days were devoted to patent searches alone where they were introduced to various patent databases like US patent database, European patent database, STN database. Demos of patent search using International Patent Classification were also shown. The best part of the search programme was that the candidates were given sufficient time for hands on patent searches with lots of practical exercises.

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them through a grilling approval process involving clinical trials, so that the burden on patients could be reduced. The underlying objective needs to be clearly understood and that is, in the absence of generic drugs it is difficult to check the profiteering motive of the patent owner who may even put patients on a ransom. At the same time the Act takes care of the interest of the patent owner and the manufacturer of the drug by providing a relief for undue lengthy approval process. It can also be interpreted that the Act does not consider making, or using a patented invention an act of infringement, if it is solely for uses reasonably related to development and submission of information under a Federal law which regulates manufacture, use or sale of drugs. Hence there may not be any restriction on when the R&D on a generic drug should start.

The Federal Trade Commission (FTC) in its study found that patent owners sued the first generic applicant in 75 cases in respect of 104 NDAs under paragraph IV certification. Based on the court decisions until June 1, 2002, patents were found invalid in 11 cases and the patents were found not infringed in 14 cases. Twenty suits were settled outside the court. The analysis also indicates that the first 30 month stay expired before the courts reached a decision in 22 of the 75 cases. Evidently, fairly a large percentage of patents granted to NDAs could not stand the scrutiny of the courts which raises serious questions on the patenting process itself. It, thus, goes without saying that it would hamper the growth of science and technology as many inventors may get overwhelmed by the existing patents and may not proceed with their research and exploratory work.

Some recent changes to the Hatch Waxman Act.

1. The Medicare Prescription Drug and Modernization Act of 2003 has made some changes in the existing Hatch Waxman Act. Now only one 30 month stay on those patents listed in the Orange Book would be permitted when an ANDA is filed under paragraph IV certification. Modifications to the default 30 month stay are allowed based on district court judgements. This change has been made keeping in view the tendency of patent holders to include new patents in the Orange Book after receiving notification regarding paragraph IV certification and thus extend the 30 month period.
2. The company filing a paragraph IV ANDA must submit additional information over and above what is necessary under the current law and is required to notify the patent owner within 20 days.
3. An ANDA applicant may request a declaratory judgement regarding the validity of the patent if the patent owner does not file the infringement proceeding within 45 days of the notification issued by the ANDA applicant. If sued, the generic firm may file a counter claim to require the patent owner to make changes in the Orange Book listings. In a declaratory judgement, the NDA holder may request for confidential information contained in the ANDA application. (This favours the patent holder because he does not have to pay any damages for not modifying the Orange Book listing in time and there is apparently no time limit for making such modifications.)

4. It is now possible for many generic companies to qualify for the 180 day market exclusivity if several ANDAs are filed on the same day.

There are many bills pending with different bodies for bringing about more changes in the Act. These are HR 828, HR 1199, HR 1733, S.1, S.7, S.54 and S.1255.

Indian Trademarks : 2001-2002

A total of 90,236 applications were filed for registration in 2001-02 as compared to 84,275 applications filed in 2000-01. The graph below shows the trend of applications filed for trademark registration from 1997 to 2002.

Of the total applications, 89,986 applications were for registration in Part A and 250 applications were for registration in Part B of the trademarks register.

Applications filed by Indians increased from 67,262 in 2000-01 to 79,746 in 2001-02 while applications originating from foreign applicants decreased from 17,013 applications in 2000-01 to 10,490 applications in 2001-02.

The applications filed for word marks (86,157) were followed by letter and numeral combination mark (1,787), letter marks (1,125), device marks (1,030) and number marks (137).

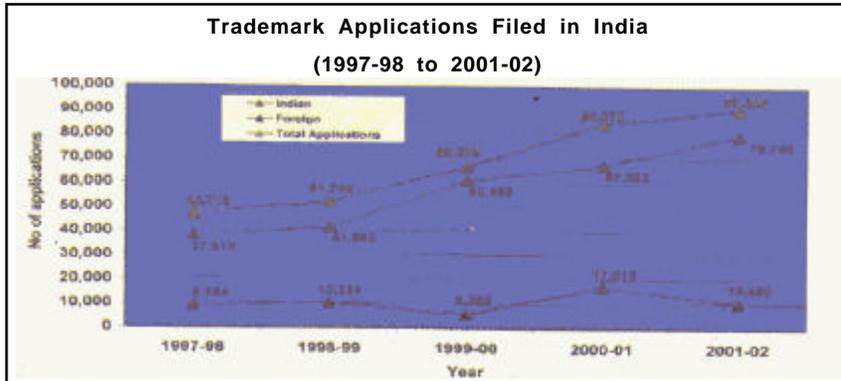
The number of trademarks registered in 2001-02 was 6,204 as against 14,020 during 2000-01. Of these, 4,713 were registered in Part 'A' and 1,491 were registered in Part B of the register.

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Indian Trade Mark



The largest number of applications were received for goods in Class 5 i.e., pharmaceuticals, veterinary and sanitary substances (24.42%) followed by goods in class 16 i.e., paper and paper articles (9.44%) and goods in class 30 i.e., coffee, tea, cocoa etc.

The class 24 comprising of tissues, piece goods etc., constituted the least number of applications received (2.01%).

8,950 applications were advertised in the Trade Marks Journal in 2001-02 compared to 18,380 during 2000-01.

2,090 notices of opposition to registration of trademarks and 127 applications for rectification of the register were filed during the year.

Case Study

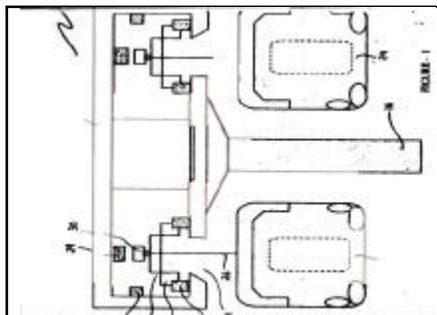
Patent granted to the Konkan Railway Corporation, India on Suspended Coach Transportation System

A US patent was granted to the Konkan Railway Corporation on February 10, 2004. The patent application was filed on July 26, 2002. The invention relates to a suspended rail transportation system ensuring better ride quality and safety levels, more specially methods, means and devices preventing upsizing of the coach and derailment of bogie by external forces. Single supporting rail suspended monorail systems had to be built in the past. However, these had inherent disadvantages at high speeds when capsizing of coaches and derailment of the bogie become quite probable.

Present Invention

The present invention deals with a Suspended Coach Transportation System (SCTS) that includes a bogie that can operate inside a continuous box type elevated close horizontal beam. A high speed of 100 kmph to 200 kmph can be achieved. Fig 1 shows a scientific sectional view of SCTS.

The transportation system generally indicated by the reference numeral 10 comprises an extended continuous hollow box way 12 having a slot 14 throughout its operative under wall. Columns 16 elevate the



box way 10 from the ground level and generally following the lay of the ground. A pair of rails 18 are fixed on either side of the slot 14 on the operative inner surface of the under wall within the extended box way 12. The rails extend continuously throughout the box way. A plurality of bogie assemblies 20 move on the said rails 18 within the box way 12.

Removably mounted coaches 24 are suspended from suspension means 26 extending through the slot 14 in the box way 12. The bogie assemblies 20 are generally connected to the coach suspension means 26 in a manner that permits controlled longitudinal, swinging and angular displacement of the coaches 24 and their suspension means.

The box way 12 is a concrete box way and an array of central columns 16 support two extending box ways on either side of the columns as seen in Fig. 1. These box ways 12 permit traverse of suspended coaches along the box ways on either side and alongside of the columns, typically in opposite directions.

As seen in the Figure, the box way 12 has a generally rectangular or square cross section defined by a pair of horizontal and a pair of vertical walls typically of concrete said walls enclosing a space; one of said horizontal walls, typically the under wall of the box way defining a continuous slot 14.

The extended box way is constructed by aligning and joining a plurality of prefabricated box way segments secured to the columns. The box ways on either side of the columns are integral with each other.

The columns 16 are typically 1 m-diameter columns 8 m high spaced apart by a distance of advantageously 15 m with respect to each other and formed in the divider space

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Case Study

between the carriage ways on a roadway.

Typically the coaches 24 are suspended at a height of 2 m to 4 m above the road surface/ground level.

The rails 18 are fitted in an elastic medium dampened by inertia of measured mass.

Conventional rails used for over ground railways are used as the guiding rails in the box ways.

An electric current delivering rail 27 is fitted on one of the walls of the box way and running through its length. Typically an insulated wheel or other device (not shown) will run against this power supplying rail effectively collecting current to power motors, preferably linear induction motors cooperating with the bogie assemblies.

The coaches are removably connected the suspension shafts, which permits fast and efficient removal and replacement of the coaches with other coaches or with load carrying. Cargo carrying means, if desired.

The coaches are preferably passenger cabins connected indirectly to the bogie assemblies by a rotational coupling that allows the passenger's cabin to remain in the vertical orientation while the attitude of the bogie changes as the direction of the track changes in the vertical direction.

The system can operate with a wide range of software trip control packages (headway, trip selection, and stops, individualized priority selection). In most applications the system can utilize proprietary programming software which includes a convoy-like flow. A module control and electronic and other services units block assembly 50 is fitted on the suspension beam.

In its preferred embodiment the system features unique self-propelled multi passenger quick entry/quick exit coaches, which can operate in several different track installations. The system can be rapid transit or normal transit type. This type of performance makes the system a true automated Personal Rapid Transit (PRT) system avoiding the use of signals, points, crossings and drivers. The self-propelled motion of the coaches can be totally microprocessor based. Every new high-density development can provide a new expanded track network to the general public transit system. The self-propelled coaches can be made part of the publicly funded transit system; the track network is passive and virtually maintenance-free.

Claims

The patent has 21 claims. A few of them are listed below.

1. A suspended transportation system comprising an extended continuous hollow box way having a slot throughout its operative under wall, said box way being elevated by columns from the ground level and generally following the lay of the ground; a pair of rails fixed on either side of the slot on the operative inner surface of the under wall within the extended box way and extending continuously throughout the box way; a plurality of bogie assemblies moving on the said rails within the box way secured to a floating beam located in the box way operative overhead of the bogie assemblies suspension means extending from floating beams operatively downwards and through the slot in the box way; coaches suspended from suspension means; and motor means to displace the bogie assemblies on the rails wherein the rails are fitted in an elastic medium dampened by inertia of measured mass.

2. A suspended transportation system as claimed in claim 1, in which, the coaches are suspended

from a suspender beam by a plurality of suspender shafts consisting of a plurality of four, discreet wire ropes fitted between and spanning a suspender beam joint and the coach roof coupling the suspension shaft is secured to the suspension beam joint by means of cross pins which allow longitudinal motion of the shaft and the coaches suspended therefrom and at the same time the whole arrangement permits the coaches to swing in a controlled manner in an axis parallel to the direction of travel of the coaches.

Case Law

Generic usage: A threat to trademarks

The breadth of the protection a trademark depends solely on its degree of distinctiveness; lesser the distinctiveness, greater the chances for that mark being infringed. Microsoft has suffered a defeat in the US District Court in Seattle from a competitor Lindows.com for its well known trademark 'Windows' mainly for the reason that windows is a generic term often used with computer related applications.

This case, decided in March 2002, was fought between Microsoft Corporation and Lindows.com, Inc. over two competing computer operating system (OS) products- Microsoft Windows and Lindows OS. Microsoft Corporation (plaintiff), registered proprietors of the trademark Windows for personal computer operating systems, filed a suit against defendants Lindows.com alleging trademark infringement dilution and unfair competition and sought monetary relief and injunction preventing Lindows.com from :

* using the Lindows, Lindows.com or Lindows OS trade names or

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Case Law.....

trademarks in connection with its software or others computer products or services.

- * infringing Microsoft's Windows trademark, and
- * diluting Microsoft's Windows trademark.

The court held that in order to succeed in a motion for preliminary injunction, Microsoft must show either:

- (i) a combination of probable success on the merits and possibility of irreparable injury
- (ii) that serious issues are raised and the balance of hardships is in its favour.

As regards the balance of hardships in favor of Microsoft, the court was of the opinion that any inability to pay damages was not terribly detrimental to the plaintiff. The court further held that although Microsoft had built substantial goodwill in its Windows mark, there was no concrete evidence that the goodwill would be degraded more than a bare minimum amount by the introduction of Linux-based operating system. Therefore, the balance of hardship does not go in Microsoft's favour. The court denied Microsoft's motion for preliminary injunction based on the following arguments supplied by Lindows.com.

(i) Validity of the Windows trademark :- Microsoft's initial application for registration of its Windows trademark with USPTO was rejected on the grounds that :-

- the term Windows was a generic term for a particular software including the applicant's goods, and
- that the applicant's use of the term is not exclusive.
- Microsoft, itself had referred to its operating system as 'Microsoft Windows' instead of Windows

alone to distinguish it from the generic term Windows. Both computer specific and general dictionaries from the early 1980s to the present contained definitions of 'Windows' which indicated it was understood by the public to have the generic meaning offered by Lindows.com. The sheer volume of windows related uses in the industry is very high. Microsoft's decision not to prosecute all the users of its marks does not indicate its generosity but indicates the genericness of the term windows. Microsoft could not produce sufficient evidence to prove that the mark was not generic.

(ii) On distinctiveness and secondary meaning :- The proper focus of an enquiry into a mark's distinctiveness is whether it is a "kind, sort, genus or subcategory" as opposed to whether it "convey[s] a quality or characteristic of a product." "Windows" does not describe a quality of software applications, but rather signifies a "kind, sort, genus or subcategory." While the court agreed with Microsoft that the Windows mark had acquired secondary meaning, no degree of secondary meaning would save a generic mark.

Therefore, the court ruled in favor of Lindows.com and held that although Lindows.com had made a conscious decision in choosing a product and company that differs only by one letter from the world's leading computer software program, one could just as easily conclude that Microsoft made an equally risky decision to name its product after a term commonly used in the trade to indicate the windowing capability of a GUI (graphical user interface).

Litigation Watch

Hindustan Construction Company owned by Kamal Kumar had constructed two bus shelters for Delhi Transport Corporation in February-March 2002. The modern, eco-friendly bus shelters designed by Kamal's company have some unique features. In addition to protecting people from heat and rain, it has a rainwater harvesting system built atop the roof and a solar panel that generates power to illuminate the shelter. DTC, instead of asking to construct more such shelters, had built six more of the same kind without allegedly informing him. Kamal moved to High Court, since he had patented and registered the design. Lawyers have advised to go for an out-of-court settlement since it is a clear case of copyright infringement by the DTC.

(Today, 3 Feb 2004)

Lahari Recording Company has lodged a copyright violation complaint against Sony Music India for allegedly producing and distributing an album titled 'A R Rahman Live in Dubai' which included four songs from a film for which Lahari owns the audio rights. Police reportedly raided Sony Music's Bangalore office and a number of shops, seizing cassettes and CDs.

(Copyright World, Feb 2004)

Matrix Laboratories has announced that Danish pharmaceutical company, Lundbeck, innovator of the anti-depressant blockbuster drug, Citalopram, has withdrawn patent infringement cases against Ratiopharm and Destin Pharma in the European Courts. Ratiopharm and Destin Pharma are the generic

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Litigation Watch

customers of Matrix Laboratories in Europe for Citalopram active pharmaceutical ingredient (API). The withdrawal is expected to result in a significant increase in Citalopram exports to Europe by Matrix.

(Business Standard, 6 Feb 2004)

The maker of the Barbie doll, Mattel, loses its appeal against Thomas Forsythe, an artist who used the company's dolls for a series of photographs titled "Food Chain Barbie". Mattel alleged the artist of copyright, trademark and trade dress infringement because the series of 78 photos show nude Barbies being attacked by vintage household appliances. Mr. Forsythe argued that his photos were a parody of Barbie, aiming to communicate his message regarding the objectification of women. Mr. Forsythe's use of the dolls for social criticism and parodic speech, rights protected by the First Amendment and promoted by the Copyright Act, weighed in his favour in the appeal court.

(Copyright World, Feb 2004)

Dr. Reddy's Laboratories and Pfizer Incorporation are battling over a blockbuster drug and this case could set a precedent for generic drug makers versus innovator wars. Pfizer was granted a patent on a class of compounds that treats heart disease and hypertension in February, 1986 and the patent covered the molecule amlodipine, including two of its salts, amlodipine besylate and amlodipine maleate. In 1987, Pfizer filed another application for amlodipine besylate salt specifically, as studies conducted showed it was superior in treating hypertension and marketed

that salt as Norvasc. As the patent's expiry date, 25th February neared, Pfizer went and filed a Patent Term Extension (PTE) under the Hatch-Waxman extension rules. Meanwhile, Dr. Reddy's filed a abbreviated new drug application (ANDA) for amlodipine maleate (AmVaz) under USFDA's 505(b)2, seeking marketing approval after it found the PTE applied by Pfizer was only for the besylate form. On 31 October 2002, USFDA had granted Dr. Reddy's an approval to sell amlodipine maleate. Subsequently, Pfizer sued Dr. Reddy's Laboratories for patent infringement, insisting that the PTE covered the entire scope of amlodipine, but lost the case in New Jersey district court. Pfizer appealed to the US court for the Federal Circuit and a decision is overdue now. Meanwhile, Pfizer also attacked the USFDA approval through a citizen's petition protesting against FDA's approval of Dr. Reddy's Amvaz and USFDA announces a stay on AmVaz on 5th February, 2004 till it completes its re-evaluation.

(Business World, 1 March 2004)

A US Federal Court has upheld Pfizer Incorporation's marketing exclusivity for its anti-fungal drug Diflucan, while keeping the generic version of the drug manufactured by Ranbaxy Laboratories Ltd, off the market until July 29. The court ruled that Ranbaxy Laboratories cannot sell its cheaper generic version because a six-month exclusivity has been awarded to Pfizer for testing the drug on children. A previous patent infringement lawsuit brought about by Pfizer against Ranbaxy was terminated on January 29, when the original patent expired. The patent, however, was extended by six months because Pfizer was testing a pediatric version. Diflucan,

which treats fungal infections, had sales of US \$1.2 billion in 2003.

(Business Line, 13 March 2004)

Aventis SA, France's biggest drugmaker and partner Albany Molecular Research filed patent infringement lawsuits against five companies, namely Dr. Reddy's Laboratories (India), Barr Pharmaceuticals, Mylan Pharmaceuticals, Impax Laboratories of US and Isreal's Teva Pharmaceutical Industries, seeking to sell generic versions of Aventis's Allegra allergy pill. Aventis and Albany say the five generic-drug makers are violating their patents which expire in 2013.

(The Financial Express, 11 March 2004)

Europe's biggest drug-maker GlaxoSmithKline lost a patent litigation on its biggest-selling asthma drug Seretide also known as Advair, in the London High Court. India's Cipla Ltd, US-based Ivax Corporation and two other generic firms had challenged a key patent on Seretide which expires on 2013, on grounds of obviousness. The case rested on whether an inventive step was involved in combining two older drugs, Flovent and Serevant to make Seretide/Advair and Justice Pumfray ruled the combination was entirely obvious. The victory for generic manufacturers means they could launch cheaper versions of the inhaled asthma treatment as early as October 2005. Seretide/Advair was the GlaxoSmithKline's top-selling product in 2003, with global sales of \$2.2 billion and around 6% of these revenues were generated in Britain.

(The Economic Times, 20 March 2004)

Prasar Bharati might be violating intellectual property rights by insisting Ten Sports to share the live feed

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Patents for Opposition

The following patent applications have been accepted by the Patent Office and published in the Gazette of India. These can now be opposed by filing opposition applications within a period of four months from the dates given. Six digit numbers allotted after acceptance by the Patent Office are given before the applicant names and patent application numbers given in brackets. Names of the branches of the Patent office are denoted in the application number, e.g. 'Bom' for Bombay branch. An opposition application should be submitted at the appropriate office where the concerned application was originally filed.

PATENT APPLICANTS

INVENTION

A. February 7, 2004

191991. Umicore, Belgium (2045/Cal/96)	A process for the manufacture of diamond tools by hot sintering
191992. Ail Systems Inc, USA (18/Cal/97)	Square anti symmetric uniformly redundant array coded aperture imaging system
191993. Daewoo Electronics Corporation, Korea (531/Cal/97)	Water dispenser of the refrigerator
191994. Vignali Graziano, Italy (626/Cal/97)	Process for obtaining ceramic articles coloured on surface and inside
191995. Samsung Electronics Co Ltd, Korea (1298/Cal/97)	An erbium doped optical fiber amplifier device
191996. Matsushita Electric Industrial Co Ltd, Japan (1367/Cal/97)	Washing machine
191997. Thewi Holding Bv, The Netherlands (1369/Cal/97)	Bottle with thermally shielded body
191998. Libbey Glass Inc, USA (1631/Cal/97)	Servo hydraulic transfer mechanism for glass articles
191999. Mobile Process Technology Co, USA (1447/Cal/98)	An improved process for manufacture of polyester resin
192000. Acciai Speciali Terni Spa, Italy and Voest Alpine Industrieanlagenbau Gmbh, Austria (2004/Cal/98)	A cooling roll for a continuous casting machine
192001. Pravin Mangal Panchal, Mumbai (736/Bom/98)	An improved safe holder for polishing abrasive discs
192002. Hindustan Lever Limited, Mumbai (750/Bom/98)	An extruder
192003. Somaiya Organics (India) Ltd, Mumbai (70/Bom/99)	An improved process for the commercial production of 1,3-butylene glycol
192004. Hindustan Lever Limited, Mumbai (80/Bom/99)	Oral care dentifrice compositions
192005. Hindustan Lever Limited, Mumbai (107/Bom/99)	Soap bar
192006. Godrej & Boyce Manufacturing Company Limited, Mumbai (487/Bom/99)	A free standing partition panel
192007. Procter & Gamble International Operations SA, Switzerland (664/Bom/99)	A battery operated electric toothbrush with an angled shaft
192008. Hindustan Lever Limited, Mumbai (829/Bom/99)	A finger brush
	Novel method to prepare sertraline hydrochloride

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Litigation Watch

of the India-Pakistan cricket series. The public broadcaster had not bid for the telecast rights of the tournament, but is insisting live feed to be shared in the larger interest of the public. The contention is that since Ten Sports is a satellite channel, it will reach only cable and satellite homes, leaving the millions of viewers of Doordarshan's terrestrial networks deprived of the excitement in watching the games between the arch rivals. The court passed on interim order asking Ten Sports to share the feed of all the matches with Doordarshan after the latter made a deposit of Rs.50 crore in the court. The court granted relief keeping public interest in mind and restrained the public broadcaster from showing any of its own advertisements during the match and 30 minutes before and after the match.

(Business Standard, 18 March 2004)

Intel Corporation has announced that it will pay \$225 million to Intergraph to settle a patent infringement suit over its Itanium chips. In 2001, Intergraph filed a lawsuit in US district court, alleging that Intel's Itanium chip infringed on its defunct Clipper processor patents. The latest settlement involving Intel's 64-bit Itanium chip, marks the third one reached with its formal rival. Under the settlement, Intergraph has agreed not to file a lawsuit against any Intel customer whose products include a combination of an Intel microprocessor, chipset and motherboard.

(CNET News.com, 30 March 2004)

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192009. Cadila Healthcare Limited, Ahmedabad (83/Mum/01)	The process for making coiled mosquito repellent
192010. Godrej Saralee Ltd, Mumbai (144/Mum/02)	A process for manufacturing low porosity dense ultra highstrength (uhs) cement composition
192011. The Associated Cement Companies Ltd, Mumbai (549/Bom/98)	A process for production of micro porous microspheres of polymers and polymeric pigments therefrom
192012. Vinod Chintamani Malshe, Anil Meghshyam Bendale, Mumbai (203/Bom/99)	A scale
192013. Prakash Krishna Ratnaparkhi, Pune (237/Bom/99)	A variable positive gearbox with built in differential and built in clutch
192014. P Satheesan Menon, Maharashtra (381/Bom/99)	A water purifier bellow pump working on siphon system
192015. Ion Exchange (India) Limited, Maharashtra (437/Bom/99)	Multi color intaglio printing press
192016. Komori Corp, Japan (580/Bom/99)	A process and apparatus for batch annealing of coils in a cold rolling mill
192017. Tata Consultancy Services, Maharashtra (1170/Mum/0)0	A method of mounting a suspension system for hermetic sealed compressors
192018. Kirloskar Copeland Limited, Maharashtra (167/Mum/01)	A PCO enabled computing device
192019. 12 IT Private Limited, Maharashtra (844/Mum/200)1	A process for an ayurvedic preparation for improving the myocardial blood flow and reducing the occlusion in arteries of the myocardium
192020. Shree Narayan Ayurvedic Pharmacy Pvt Ltd, Maharashtra (1184/Mum/01)	A semi conductor unit package
192021. Matsushita Electric Industrial Co Ltd, Japan (1083/Cal/96)	A method of producing chemicals from metallurgical dust and apparatus therefor
192022. Drinkardmetalox Inc, USA (1829/Cal/96)	A fuel injection device for the diesel engines
192023. Motorenfabrik Hatz GmbH & Co Kg, Germany (591/Cal/97)	A process for producing avinyl polymer
192024. Asahi Kaseikabushiki Kaisha, Japan (805/Cal/97)	Method of making heat sealing adhesive bandage and adhesive bandage made by using said method
192025. Johnson & Johnson Kabushiki Kaisha, Japan (806/Cal/97)	Ball collector for a device for returning balls
192026. Taprogge GmbH, Germany (1157/Cal/97)	An improved process for producing ferritic stainless steel strips of increased drawability and reduced roping tendency
192027. Steel Authority Of India Limited, New Delhi (1293/Cal/97)	Process for the production of grain oriented electrical steel strip having high magnetic characteristics starting from thin slabs
192028. Acciai Speciali Terni SPA, Italy (1375/Cal/97)	Radiocommunications systems and methods for jittered beacon
192029. Telefonaktiebolaget LM Erickson, Sweden (1436/Cal/97)	An improved process for purification of sulfanyl benzimidazoles
192030. Torrent Pharmaceuticals Ltd, West Bengal (285/Cal/2002)	A static air conditioner device

B. February 14, 2004

92031. The Tata Iron And Steel Company Limited, Mumbai (340/Cal/97)	Portable kitchen toilet and shower unit for a vehicle
192032. Michael Kueksze Chuan, Malaysia (658/Cal/97)	A process for producing a catalyst
192033. Siemens Aktiengesellschaft, Germany (976/Cal/97)	A straddle carrier with separate street kenmore queensland 4069 australia

International News

- Dustin Satlof, a fifth grader at the Collegiate School in Manhattan received his first patent at the age of 10 for devising a new way to play fantasy baseball with special trading cards. About half of the 70 young people who competed for this year's National Gallery for America's Young inventors, the equivalent of an inventor's hall of fame for youngsters have filed for patent rights. A new company in Stanford, By Kids For Kids, plans to commercialize children's patented inventions.

(The Times of India, 17 Feb 2004)

- The Federation against software theft in the United Kingdom has decided to use criminal law to prosecute copyright infringers. The Federation earlier relied on civil proceedings. The Copyright, Designs and Patents Act allows the Federation to secure a search warrant if an organisation is found guilty of copyright infringement. The Federation will participate in police raids and is already working with police forces in a number of countries to identify potentially infringing companies and support the police in the issue and execution of search warrants.

(Copyright World, Feb 2004)

- The copyright law has been amended in Israel and one of the changes under the proposed law relating to copyright entitlement for films, suggests that the producers would get sole entitlements and the director would have no rights. This allows the film's marketing to be done by one party. Also under the proposals, educational

Contd on...10

192034. Tommy Schults, Australia (1025/Cal/97)	An improved memory configuration
192035. Siemens Aktiengesellschaft, Germany (1496/Cal/97)	Process for regulating the temperature of the bath of an electrolytic pot for the production of aluminium
192036. Aluminium Pechiney, France (1691/Cal/97)	Battery
192037. Matsushita Electric Industrial Co Ltd, Japan (1928/Cal/97)	Lubricant composition and process of preparation thereof
192038. Indian Aluminium Company Limited, West Bengal (11/Cal/99)	A method of obtaining fermentable sugar useful in the production of industrial chemicals from liquids resulting from the acid hydrolysis of a biomass material
192039. Controlled Environment Systems Corporation, USA (279/Cal/00)	A process for the preparation of instant fruit juice powder
192040. Indian Institute Of Technology Kharagpur (717/Cal/00)	A system for metering a powdered product
192041. Vevey Switzerland (460/Mas/95)	A food preparing device
192042. Anna Aluminium Limited, Kerala (806/Mas/95)	An apparatus for controlling power of a transmitter in a mobile communications device
192043. Qualcomm Incorporated, USA (840/Mas/95)	A crane
192044. Kct Konecranes International Corporation, Finland (868/Mas/95)	A thermoformable laminate
192045. Kimberly Clark Worldwide Inc, USA (1056/Mas/95)	A device to cool heat emitting electrical parts of a textile machine
192046. Maschinenfabrik Rieter Ag, Switzerland (1197/Mas/95)	A cord winder for a vacuum cleaner
192047. Daewoo Electronics Corporation, Korea (1533/Mas/95)	An improved process for the preparation of an intermediate of trovafloxacin
192048. Dr Reddys Research Foundation, Hyderabad (738/Mas/98)	Vacuum cleaner
192049. Notetry Limited, United Kingdom (110/Mas/96)	A container for containing liquid for supplying to ink jet head
192050. Canon Kabushiki Kaisha, Japan (234/Mas/99)	A process for the preparation of picotixinin and picotin from picrotoxin
192051. CSIR, Delhi (391/Del/00)	An improved process for preparation of aziridines
192052. CSIR, Delhi (1001/Del/00)	A process for the preparation of 3,3-aryl isoxazol-5-yl-3-hydroxy-2-methylene propionic acid derivatives
192053. CSIR, Delhi (809/Del/00)	An improved process for preparation of alpha-2-pyridyl-n-oxide-2,8-bis-trifluoromethyl-4-quinolylmethane
192054. CSIR, Delhi (896/Del/00)	A process for the preparation of mosquito larvicidal formulation from bacillus thuringiensis var israelensis
192055. Indian Council Of Medical Research, New Delhi (244/Del/99)	In line electron gun for color cathode ray tube
192056. L G Electronics Inc, Korea (1653/Del/96)	Process for the preparation of pure citalopram hydrobromide
192057. Ranbaxy Laboratories Limited, New Delhi (779/Del/01)	An optical data storage medium
192058. International Business Machines Corporation, USA (1507/Del/94)	An improved process for the production of taxol analogues 10-deacetyl taxol a, b and c
192059. CSIR, Delhi (231/Del/99)	

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International News

institutions would be allowed to copy literary creations for public dissemination, teaching and examination procedures. Libraries and archives would be allowed to produce copies for their collections if the product is not available in the market or if the product cost is too high.

(Copyright World, Feb 2004)

- The patent titled "Cells for detection of influenza and parainfluenza viruses" has been granted to University Hospitals, Cleveland by the US Patent and Trademark Office on 26th August 2003. The invention relates to cell lines useful for rapid detection and production of influenza and parainfluenza viruses and in particular to transgenic mink lung cells which show increased sensitivity to infection by influenza A, influenza B, or parainfluenza 3 viruses, or which are capable of enhanced productivity of infectious virions. This invention can be used for culturing clinical influenza and parainfluenza virus isolates, for the production of influenza and parainfluenza virus for vaccine formulations, as antigen preparations for diagnostic applications and for screening antiviral drugs.

(Wista Intellectual Property, Feb 2004)

- Kuala Lumpur is hosting the seventh Conference of Parties (COP-7) to the UN Convention on Biological Diversity (CBD). This is the second time an Asian Country is hosting COP/CBD. The meeting has a huge agenda covering many ecosystems and crosscutting issues.

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192060. The Additional Director, IPR Defence Research And Development Organisation, New Delhi (21/Del/01) A process for preparation of a radioprotective herbal extract from plant hippophae sps rhamnoides

192061. Interbold, USA (1765/Del/9)5 An apparatus for an automated banking machine

192062. De La Rue Giori S A, Switzerland (2099/Del/95) Stacking board for depositing a stack of sheets

192063. Chief Controller, New Delhi (537/Del/95) A water current meter for measuring water current

192064. Motorola Inc, USA (1449/Del/95) A heat sink for dissipating heat from a heat generating device

192065. Paul Wurth S A, Luxembourg (973/Del/95) Shaft furnace charging device with rotating chute

192066. Scientific Design Company Inc, USA (2354/Del/95) A process for the preparation of a supported silver catalyst

192067. CSIR, Delhi (1007/Del/00) An improved process for the separation of lysozyme

192068. CSIR, Delhi (265/Del/00) An improved process for preparation of yeast extract essentially comprising low molecular weight biologically active compounds from yeast

192069. National Institute Of Pharmaceutical Education And Research, Mohali (874/Del/02) An improved process for the preparation of 4 3 thienyl phenyl alpha methylacetic acid

192070. Robert Aaron Levine, USA (1359/Del/97) An apparatus for analysing centrifuged anticoagulated whole blood

192071. Hindustan Lever Limited, Maharashtra (13/Bom/99) A particulate laundry detergent composition Cotton contamination analyser

192072. Ahmedabad Textile Industry's Research Association, Ahmedabad (112/Bom/99) An improved prefabricated door shutter or panel

192073. Star Metal Forms Pvt Ltd, Maharashtra (169/Bom/99) A process for manufacture of futane 1 3 diol propane 1 3 diol and other diols

192074. Vinod Chintamani Malshe, Maharashtra (205/Bom/99) Photovoltaic module in the form of a laminate and procedure for producing same

192075. Isovolta Osterreichische Isolierstoffwerke Aktiengesellschaft, Austria (380/Mum/00) An optical vortex flow sensor

192076. Endress Hauser Flowtec Ag, Switzerland (448/Bom/99) A process for the preparation of glucosamine sulphate metal salts

192077. Nicholas Piramal India Limited, Maharashtra (394/Mum/01) An improved suspension system for hemetic sealed compressors

192078. Kirloskar Copeland Limited, Maharashtra (651/Mum/01) A nipple for a feeding bottle

192079. Futura Poly Containers Prop Mustang Mouldings Pvt Ltd, Maharashtra (1070/Mum/01) A method for amplifying human cytomegalo virus hcmv nucleic acid in biological samples

192080. Reliance Life Sciences Pvt Ltd, Maharashtra (69/Mum/02) Process for producing unsaturated fatty alcohols from lauric oils

C. February 21, 2004

192081. DHW Deutsche Hydrier Werke Gmbh, Germany (108/Bom/99) A device for transduction of spatially and temporarily patterned signals onto and or from oral surface

192082. Tata Institute Of Fundamental Research, Maharashtra (125/Bom/99) A cosmetic product for removal of keratotic plugs from skin pores

192083. Hindustan Lever Limited, Maharashtra (159/Bom/99) A process for preparation of imide diurea and imide urethane urea grease thickeners

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International News

Some of the priority issues include conserving biodiversity of mountain ecosystems, role of protected areas in the conservation of biodiversity, transfer of technology and technology cooperation and implementation of the target set at COP-6/CBD to achieve a significant reduction in the rate of loss of biodiversity by 2010.

(The Financial Express, 16 Feb 2004)

- The trustees of Columbia University, US have applied a patent for a portable instrument "Arsenic meter" which determines the concentration of Arsenic present in water. The kit uses an infrared LED and photodiode and is powered by batteries or solar cells. Molybdenum-based compounds are added to water which selectively bind to arsenates and phosphates to the water sample. The light absorbance of the sample is then compared to the reference data. The differential light absorbance of the two specimens is used to arrive at a quantitative value for the arsenic concentration in the water sample.

(Optics.org, 12 March 2004)

- Magnetic, based in Trumpington is creating a sensor which turns the toaster off when the bread is "perfectly brown". The invention is based on a simple idea of putting a smoke alarm in the toaster. The alarm recognises sugar particles which is ideal for a toaster. The toaster works for all types of breads.

(BBC News, 15 March 2004)

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192084. Indian Oil Corporation Limited, Maharashtra (179/Bom/99)	An eco friendly economic light weight hybrid vehicle
192085. Malshe Vinod Chintamani, Maharashtra (202/Bom/99)	A process for deposition of bi2se3 and sb2se3 thin films from aqueous solutions
192086. Dr Chandrakant Dnyandev Lokhande & Rajaram Sakhamane, Maharashtra (266/Bom/99)	Improved detergent composition
192087. Hindustan Lever Limited, Maharashtra (356/Bom/99)	Method for making drying more effective
192088. Outokumpu Oyj, Finland (422/Bom/99)	An electronic timing system for is machine (individual section machine)
192089. Shamvik Glasstech, Mumbai (597/Bom/99)	A process for manufacturing black tea
192090. Hindustan Lever Limited, Maharashtra (43/Mum/01)	An apparatus for controlling output of a microwave generator of a microwave oven
192091. Daewoo Electronics Corporation, Korea (1341/Cal/96)	An ambient temperature curable adhesive composition
192092. Lord Corporation, USA (586/Cal/97)	An improved mudgun clay for plugging the tap hole of blast furnaces and a process of preparing the same
192093. Steel Authority Of India Limited, New Delhi (627/Cal/97)	A razor handle assembly
192094. Navin Prakash Malhotra, West Bengal (767/Cal/97)	A method for removing a sorbable component from a lean gaseous stream and an apparatus for the same
192095. Engelhard Corporation, USA (847/Cal/97)	Method of manufacturing extruded forged products from cxxx series aluminium alloy and the products so manufactured
192096. Commaalco Aluminium Limited, Australia (1273/Cal/97)	An apparatus for binary shape encoding
192097. Daewoo Electronics Corporation, Korea (1607/Cal/97)	A slideway for a vehicle seat and a seat fitted with such a slideway
192098. Bertrand Faure Equipments Sa, France (2091/Cal/97)	Safety brakes system for automobiles vehicles
192099. Fico Cables Sa, Spain (897/Cal/98)	Improved process for the preparation of drug from the seeds of caesalpinia species for the treatment of type 2 diabetes mellitus
192100. Professor Biswapati Mikherjee And Dr Tuhin Kanti Biswas, West Bengal (59/Cal/02)	A steering arm assembly for lateral control of a railway car truck
192101. Amsted Industries Incorporated, USA (430/Mas/95)	A magnetic storage medium having servo pattern a method and an apparatus for producing the same
192102. International Business Machines Corporation, USA (684/Mas/95)	An apparatus for increasing the flow rate of a liquid through an orifice Gate turnoff thyristor
192103. Kimberly Clark Worldwide Incorporated, USA (740/Mas/95)	System for simulating user interference in a communication system
192104. Abb Schweiz Holding Ag, Switzerland (757/Mas/95)	A method and a device for manufacturing a twisted yarn
192105. Qualcomm Incorporated, USA (841/Mas/95)	A process for the production of a catalyst carrier
192106. Palitex Project Company Gmbh, Germany (1015/Mas/95)	A feed nozzle assembly
192107. Norton Chemical Process Products Corporation, USA (17/Mas/96)	A method of production of an ether compound

Domestic News

- Haryana-based Tagma Agrotech Ltd has developed a special veggie package for treating bird flu. The veggie package consists of 17 ingredients including neem, turmeric and tulsi. The company has applied for a patent through the IPR consultancy firm LexOrbis. The birds raised on the package haven't succumbed and their eggs are low in cholesterol, rich in vitamins, calcium, iron, zinc, sodium, and odourless too.

(The Financial Express, 1 Feb 2004)

- The members of the Salem Exporters Association (SEA) have recently filed an application for registering their yarn dyed woven fabric varieties manufactured by them with Chennai-based Geographical Indications Registry. This would earn their products the special generic geographic identity as 'Salem fabric.' The uniqueness of the Salem fabric production is that Salem cluster has been the single largest weaving cluster producing pre-processed/dyed yarn for sarees and shirtings using powerlooms. The fabric unlike those produced by organised textile mills, are turned out straight, thus eliminating certain pre-fabric processes such as desizing, dyeing or printing.

(Business Line, 14 Feb 2004)

- Konkan Railway Corporation's indigenous technologies, sky bus metro and its self-stabilising track have secured a US patent, making them globally acceptable technologies. A full scale prototype of the sky bus metro at Madgoan,

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192108. Shell International Research Maatschappij Bv, The Netherlands (308/Mas/96)	A base station transceiver system for receiving a reverse link radio frequency signals
192109. Idemitsu Kosan Co Ltd, Japan (1318/Mas/97)	Improved detergent bar composting
192110. Qualcomm Incorporated, USA (817/Mas/00)	A rolling mill for forming a plate and strip
192111. Hindustan Lever Limited, Maharashtra (45/Bom/99)	Process for identification of organic material in surfactant containing cosmetic cleanser using biologic assay
192112. Zheng Hongzhuan And Zhao Linzhen, China (156/Bom/99)	A novel system for transmitting light to road signal or lights of an automobile
192113. Hindustan Lever Limited, Maharashtra (188/Mum/99)	A process for manufacturing black tea
192114. Malshe Vinod Chintamani, Maharashtra (204/Bom/99)	A method of preparing an expression library
192115. Hindustan Lever Limited, Maharashtra (339/Bom/99)	Catalyst for the synthesis of ammonia from hydrogen and nitrogen
192116. Hindustan Lever Limited, Maharashtra	A double fluted corrugated multiply paper liner and a multiply paper board and machine and method for making the same
192117. Norsk Hydro, Norway 19981118	A process for the preparation of a fat spread with good aroma and graininess
192118. Poddar Kaliprasad, Maharashtra (706/Mum/01)	Process for making insecticide vaporising mat
192119. Hindustan Lever Limited, Maharashtra (137/Mum/01)	A process for preparing an electrophotographic toner or developer or powder coating compositions
192120. Godrej Saralee Ltd, Mumbai (145/Mum/02)	Metal cutting drill with insert having radially overlapping cutting edges
192121. Clariant Gmbh Patente Marken Lizenz, Germany (909/Cal/97)	A process for combined chemical polishing and etching of plain carbon steels low alloy steels and cast iron samples
192122. Sandvik Aktiebolag, Sweden (529/Cal/99)	A synchronizer ring capable of performing synchronous sliding operation
192123. Prof Sanjoy Sadhukhan, West Bengal (624/Cal/97)	Railroad track part and process for manufacture of the same
192124. Nippon Piston Ring Co Ltd, Japan (947/Cal/97)	Process for producing lower olefins and high purity aromatics
192125. Bwg Butzbacher Weichenbau Gmbh, Germany (950/Cal/97)	Galvanization coating weight controller
192126. Phillips Petroleum Company, USA (1095/Cal/97)	An improved process for manufacturing hot rolled steel strips of increased strength corrosion resistance and improved bend formability
192127. Hitachi Ltd, Korea (1211/Cal/97)	Improved scalable audio coding /decoding apparatus
192128. Steel Authority Of India Limited, Delhi (1991/Cal/97)	An improved apparatus using non contact capacitance transducer for determining liquid level
192129. Samsung Electronics Co Ltd, Republic Of Korea (2461/Cal/97)	A method for producing relatively thin sheets of polymeric surfacing
192130. Dr Satish Chandra Bera, West Bengal (09/Cal/02)	A process for the preparation and orientation growth of single self seeded crystal of antimonite alloys and/or elemental binary or ternary semi conductors materials
	Method of manufacturing liner inlet for packing of bulk materials in powder granules or flake form for their transportation

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Domestic News

Goa and a test track for the same have been constructed by the Konkan Railways. Sky bus metro is considered to be a unique technology for urban mass transportation and the selfstabilising track makes it virtually maintenance-free.

(Business Standard, 10 Feb 2004)

- Eli Lilly's drug in the Erectile Dysfunction Segment, Cialis is set for launch in India this year. The company had applied for an Exclusive Marketing Right (EMR) in India and currently awaits a decision from the Indian Patent Office. Meanwhile, Indian companies including Glenmark, Cadila Healthcare, Matrix and NATCO have also applied to the Drug Controller's office for marketing the active pharmaceutical ingredient of the same drug. Infact Ajanta Pharma has launched the chemical equivalent of Cialis under the brand name Tadalisa.

(Business Line, 16 Feb 2004)

- Herbal drug 'Jeevani' developed by Tropical Botanical Garden and Research Institute (TBGRI) with the traditional knowledge supplied by the Kani tribals, was registered by the New York-based NutriScience Innovations LLC as a fatigue-busting wonder drug under the US Trademark rules without TBGRI's knowledge.

(Business Line, 14 Feb 2004)

- Earlier, TBGRI had patented the drug in India in 1996 and subsequently had sold the manufacturing and marketing rights to Coimbatore Arya Vaidya Pharmacy for a period of seven years. The patent violation came

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192131. Premark Rwp Holdings Inc, USA (123/Bom/99)	A stamping die
192132. Dattatray Bhairu Gadkari, Maharashtra (139/Bom/99)	A crankcase assembly for use in two wheeled vehicle
192133. Kailash Nath Misra, Gujarat (327/Bom/99)	A one state irradiation process for manufacture of hydrogel dressing free of synthetic plasticizers
192134. Hindustan Lever Limited, Maharashtra (384/Bom/99)	Flavouring materials from yeast extracts
192135. Bajaj Auto Ltd, Maharashtra (403/Bom/99)	A fuse holder device
192136. Department Of Atomic Energy Government Of India, Maharashtra (731/Bom/99)	An improved process for manufacture of 4-bromo-2-oxymino-3-oxo-butanoic acid and its derivatives
192137. Zeneca Limited, England (In/Pct/2000/51/M)	A process for the preparation of a combination of famotidine polymorphs a and b
192138. Klaus Bruchmann Am Olberg, Germany (In/Pct/2000/171/)	A process of making a fusion protein
192139. Lupin Ltd, Maharashtra (1124/Mum/01)	A cosmetic composition
192140. Tonira Pharma Limited, Vadodara (1136/Mum/01)	A plant for manufacturing cement and simultaneously generating electricity and process thereof
192141. Fraunhofer Gesellschaft Zur Forderung Der Angewandten Forschung E V, Germany (666/Bom/98)	A process for the recovery of arsenic trioxide from arsenic bearing sludge
192142. Hindustan Lever Limited, Maharashtra (177/Bom/99)	A rack for a switchgear cabinet
192143. UDCT, Maharashtra (201/Bom/99)	A switchgear cabinet with a rack
192144. Gujarat State Fertilizers Chemicals Limited, Gujarat (299/Bom/99)	A process for the separation of nitrogen from a feed gas including nitrogen
192145. Rittal Werk Rudolf Loh Gmbh Co Kg, Germany (Inpct/2000/00075)	A method for making a complex of a metalocorrinoid and a pharmacological Process of preparing alkoxytriazolinones
192146. Rittal Werk Rudolf Loh Gmbh Co Kg, Germany (Pct/Ep99/01666)	A method for amplifying hepatitis b virus hbv nucleic acid in biological samples
192147. Paraxair Technology Inc, USA (In/Pct/00/00190/)	A novel composition useful as feed supplement for silkworm for enhancing the silk production
192148. The Univrsity Of Akron, USA (In/Pct/00/00220/)	A novel oil based liquid nutrient medium composition use ful for the preparation of an oil based pigment from fungus
192149. Bayer Aktiengesellschaft, USA (In/Pct/00 01/Mum)	An improved process for the preparation of d aminoacid oxidase
192150. Relinace Life Sciences Pvt Ltd, Maharashtra India (67/Mum/02)	An improved process for the preparation of polylactic acid using lipase enzyme
192151. CSIR, Delhi (85/Del/00)	An improved process for the isolation of bioactive eupalitin 3 o b d galactopyranoside from boerhavia diffUSA
192152. CSIR, Delhi (247/Del/00)	An improved process for the preparation of 2r 3s 22s 23s 2 3 22 23 tetra acetoc y b homo 7 oxastigmastan 6 one
192153. CSIR, Delhi (248/Del/00)	A process for preparation of extract of asparagus adscendens or asparagus officinalis useful for the elimination of
192154. CSIR, Delhi (257/Del/00)	

D. February, 28, 2004

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Domestic News

to notice when TBGRI was preparing to float an international tender for the sale and manufacture of the drug after the expiry of its existing agreement with the Coimbatore company within the next six months.

(Business Line, 14 Feb 2004)

- The Federation of Publishers and Booksellers' Association (FPBAI) in India is joining hands with various international associations to fight against copyright piracy in India as the 7000 crore industry is facing copyright infringement problems. Pirated books account for around Rs.300-Rs.350 crore annually which results in a loss not only for the author and publisher, but also for the Government. The Federation is planning to organize awareness programmes in Chennai, Patna, Chandigarh, Jammu and Meerut during the current year.

(Business Line, 13 Feb 2004)

- The Indian Council of Medical Research has brought out three volumes in a series of publications entitled "Reviews on Indian Medicinal Plants" consolidating multi-disciplinary scientific published research work on over 600 medicinal plants. The publication is a first-ever systematic compilation of research done on plant species found in India and will be a window to the World Research Community.

(Asian Age, 6 March 2004)

- The Kenyan Government has initiated a process to issue a Compulsory Licence (CL) to procure microlide antibiotic azithromycin, a new generation drug for which Pfizer Incorporation holds patent

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192155. CSIR, Delhi (571/Del/00)	carnation latent virus from infected plants by supplementing the tissue culture medium
192156. CSIR, Delhi (984/Del/00)	A process for preparation of carotenoids mainly beta carotene
192157. Dr Yashwant Singh Parmar University Of Horticulture And Forestry, Nauri, Solan (1011/Del/00)	Process for the preparation of an aqueous coating for the controlled release of an active ingredient Process for the preparation of a bioavailable dosage form of loratadine
192158. CSIR, Delhi (1028/Del/00)	
192159. Ranbaxy Laboratories Limited, New Delhi (514/Del/00)	An improved process of making coated high protein breakfast cereals and snacks
192160. Ranbaxy Laboratories Limited, New Delhi (651/Del/00)	A process for the manufacture of novel noodles from millets A process of isolation of novel compound 2,6-dihydroxy-2-(p-hydroxybenzyl)-3,4-dihydro-2H-benzofuranone-7-carboxylate glucopyranoside from <i>Pterocarpus marsupium</i>
E. March 6, 2004	
192161. CSIR, Delhi (1124/Del/99)	A process for isolation of phytosterols from <i>Silene vulgaris</i>
192162. CSIR, Delhi (1128/Del/99)	A process for the manufacture of ready to eat non fried snack foods from cereals
192163. CSIR, Delhi (1402/Del/99)	An improved process for the preparation of immobilized penicillin acylase
192164. CSIR, Delhi (87/Del/00)	A process for the preparation of reconstituted collagen material
192165. CSIR, Delhi (532/Del/00)	An improved process for the preparation of hydrotalcite useful as antacid
192166. CSIR, Delhi (34/Del/00)	A process for preparing sap injury free mangoes <i>Mangifera indica</i>
192167. CSIR, Delhi (790/Del/00)	A process for the preparation of a novel 3-(2-tetrahydro-2H-pyran-5-yl)-1,1,1-trimethyl-2-(2-cyclohexyl-1-yl)ethanone useful as an intermediate for 6-hydroxymethyl-4-tert-butyl-2-methyl-1,1,1-trimethyl-2-(2-cyclohexyl-1-yl)ethanone
192168. CSIR, Delhi (1053/Del/00)	
192169. CSIR, Delhi (358/Del/01)	A process for the preparation of a conductive epoxy resin
192170. CSIR, Delhi (80/Del/01)	
192171. Department Of Science Technology, Government Of India, New Delhi (0001/Del/9)6	A water miscible composition for increasing the effectiveness of a production chemical and a process for the preparation thereof
192172. BP Chemicals Limited, England (97/Del/96)	Cylinder cooling apparatus of multi cylinder engine
192173. Kubota Corporation, Japan (575/Del/96)	A process for preparation of <i>s</i> -aminoalkylamino alkyl aryl sulphide dihydrochlorides
192174. The Chief Controller Research Development Ministry Of Defence Govt Of India, New Delhi (547/Del/99)	A process for the isolation of optically pure <i>s</i> -enantiomer of cyanohydrin of <i>m</i> -phenoxybenzaldehyde
192175. University Of Delhi South Campus, New Delhi (1378/Del/99)	A process for the preparation of lipase from the fungus <i>Aspergillus carneus</i>
192176. University Of Delhi South Campus, New Delhi (1379/Del/99)	A process for preparation of a radioprotective herbal formulation from <i>Podophyllum hexandrum</i>
192177. Defence Research And Development Organisation Ministry Of	

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Domestic News

rights. Indian drug companies who manufacture and market the drug include Wockhardt, Alembic and FDC and one of these companies are going to be the beneficiaries of the Kenyan Licence. The licence issued by Kenya would expect the CL holder to produce azithromycin formulations in quantities that are enough to treat over two million cases of pneumonia in the Sub-Saharan Africa. Pfizer markets the drug under the brand name 'Zithromax' and has a market close to \$1 billion.

(The Economic Times, 16 March 2004)

- Dr. Reddy's Laboratories have filed an abbreviated new drug application (ANDA) with the US Food and Drug Administration for Levetiracetam tablets (250, 500 and 750 mg). Belgian pharma major UCB, which holds patent rights for the product Keppra TM, has filed a patent infringement lawsuit against Dr. Reddy's in the US district court in Georgia. Levetiracetam is the generic version of UCB's Keppra TM, used for the treatment of epilepsy. The brand had an annual sales of US \$ 234 billion.

(Business Standard, 23 March 2004)

- ORCHID Chemicals and Pharmaceuticals has filed as many as 150 patent applications over the last 19 months, about 4 times the number of applications filed during initial three years of its intellectual property rights activity. Overall, the company has made 200 patent filings covering markets like the US, Europe, India and about 50 of them have been published. The filings were mainly process

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PFC on the move...

- PFC organised 10 patent awareness workshops during February and March 2004 at the following places:-

- ITI Training Institute, Baliganj, Kolkata on February 17, 2004 attended by about 90 participants from ITI institutes from all over the state of West Bengal.
- School of Physical Sciences, Jawahar Lal Nehru University, New Delhi on February 21, 2004 and was attended by about 30 participants from the University.



(Workshop at Nanded)

- Sagour University, Sagour on February 23, 2004, attended by about 90 participants.
- Swami Ramanand Teerath University, Nanded, Maharashtra on February 25, 2005 attended by about 145 participants from academia and industry in and around Nanded.
- Chaudhary Devi Lal University, Sirsa on March 10, 2004, attended by about 110 participants.

- Sant Longowal Institute of Engineering and Technology, Sangrur on March 17, 2004.



(Workshop at Kurnool)

- Teerthankar Mahaveer Institute of Management and Technology, Mooradabad on March 19, 2004.
- G Pulla Reddy Engineering College, Kurnool on March 19, 2004, attended by about 130 participant.
- Barkatullah University, Bhopal on March 23, 2004
- VBS Poorvanchal University, Jaunpur on March 30, 2004, attended by about 120 delegates from the University and near by institutes.



(Workshop at Sirsa)

- Eight applications were filed in India during this period.

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Domestic News

patents, new drugs and novel drug delivery systems. The company has also institutionalized its IP processes by setting up an exclusive IP department to nurture creativity and innovation in its R&D team.

(The Economic Times, 27 March 2004)

- Cipla has become the first company in the world to benefit from the issuance of compulsory license (CL) for import of drugs issued after 30th August 2003 WTO decision to allow flexibilities in the patent laws to deal with health emergencies. The Malaysian Government issued a CL to Malay firm Syarikat Megah Pharma Vaccines to import three specified anti-retroviral (HIV/AIDS) formulations in different doses from Cipla. The license relates to three patented drugs namely Didanosine tablets, zidovudine tablets. The patent for the first drug is held by Bristol Myers Squibb and the other two drugs are held by GlaxoSmithKline. The drugs have to be supplied to government hospitals in Malaysia in a period of two years.

(Sahara Time, 13 March 2004)

Please send us questions and topics you would like to see in the coming issues

NEXT ISSUE

- Case Study
- Case Law
- Patents for Opposition

Published by: Patent Facilitating Centre (PFC)

Technology Information, Forecasting and Assessment Council (TIFAC)
Department of Science and Technology (DST)
Technology Bhavan, New Mehrauli Road, New Delhi - 110 016
Tel.: 26859581, 26863877, 26967458, 26567373 Fax: 26863866
e-mail: tifac@nda.vsnl.net.in website: www.indianpatents.org.in and www.tifac.org.in
Editor: R. Saha, Director, PFC
Bulletin Team : Sangeeta Talwar, Suresh Kumar K. & Yashawant Dev Panwar

Printed by Reliant Press Pvt. Ltd., New Delhi-110 020
Telefax: 2638 4567, 2638 9593 e-mail : reliantpress@yahoo.com

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