

IPMS

Intellectual Property Management System

What is IPMS?

- ◎ NCL's IP Database 1942-2011
- ◎ Created by :

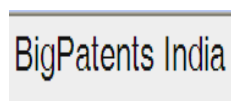


ITS FEATURES:

- ◎ Search engine
- ◎ Report generation
- ◎ Information [Invention disclosure – Patent – Commercialization]
- ◎ Library of related documents

Snapshot of the Project:

- No. of Records: 2784
- No. of data sources: 8 [IPMD database, NCL Files]




- No. of Meetings: 20
- No. of report formats: 16
[6 Report categories ; Further divided into 16 Reports]
- No. of lines of code: 50-60K

Process of IPMS

- ◎ Conceived and created between Feb-May 2011.
- ◎ Data entry from IPMD Database: 17 Feb 2011
- ◎ Phase 1 (IPMD data and old NCL data addition/ homogenization): 31 Mar 2011
- ◎ Phase 2 (New NCL data, categorization) and trial launch on NCL intranet: 3 May 2011
- ◎ Phase 3 : Data Quality Control, New Reports, Database testing.

Overview:

- Introduction to IPG processes
- Introduction to Intellectual Property Management System (IPMS)
- Search Reports (Unrestricted) 
- Search Reports (Restricted)
- Benefits of IPMS
- Future Plans

IPMS VIEWS:

IPMS

Intellectual Property Management System

Search and Reports

Unrestricted view

- [Simple/Universal search](#)
- [Search by fields and create reports](#)
- [Pre-defined reports](#)
- [Kelkar Committee report](#)
- [Portfolio Analysis](#)

Other views for IP Case Managers

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IPMS

Intellectual Property Management System

Search and Reports
Unrestricted

Search and Reports
Restricted
(password protected)

Data Entry
Restricted
(password protected)

Database control
Restricted
(password protected)

IPMS: UNRESTRICTED VIEW

IPMS Intellectual Property Management System

Search and Reports

Unrestricted view

- Simple/Universal search
- Search by fields and create reports
- Pre-defined reports
- Kelkar Committee report
- Portfolio Analysis


Other views for IP Case Managers

UNRESTRICTED VIEW (1/5)

SIMPLE AND UNIVERSAL SEARCH

FOR SIMPLE SEARCH :

- WORDS, NUMBERS
- TYPICAL FORMAT
- INSTANT SEARCH FOR SIMPLE QUERIES




IP GROUP>IPMS >Simple record search

Simple/Universal Search:

(Note:All words are ANDed & sorted by CSIR no(NF no)

Typical formats:
 CSIR no:2008-NF-0001
 NCL NO:2008-NCL-0001
 Application no:0234DEL2001 or PCT/IN2009/000100
 Inventors:Kulkarni (space)Sivaram



IP GROUP>IPMS >Search result

Report generated at IP Group home page	: http://172.16.14.200/ipms/
Search Date	: 22 July 2011
Search Type	: Universal/Simple search
Search query	: Select all records with (2002-NF-0370)
Total no of record found	: 13

Record No	Title	NCL No	CSIR No	Country	Application No
2011032663644	A SOLUBLE COPOLYMER OF VINYL MONOMERS HAVING MULTIPLE UNSATURATION	2002-NCL-0038	2002-NF-0370	IN	2604DELNP2006
2011031676256	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	DE	03818953.6
2011031664051	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	ES	03818953.6
2011031695457	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	IT	03818953.6
2011031671463	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	SE	03818953.6
201103162652	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	CN	200380110676.6
2011031696433	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	CA	2546684
2011031643764	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	FR	03818953.6
2011031685417	SOLUBLE POLYMERS AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	AU	2003276535
201103104673	COPOLYMERS COMPRISING UNSATURATION AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	EP	03818953.6
201103047567	COPOLYMERS COMPRISING UNSATURATION AND PROCESS FOR PREPARATION THEREOF	2002-NCL-0038	2002-NF-0370	WO	PCT/IB03/05070

UNRESTRICTED VIEW (2/5)

- Customized Search
- Multiple field selection
- Sort by option
- For complex queries

SEARCH BY FIELDS AND CREATE REPORTS

IPMS
IP GROUP>IPMS>Search by fields

Level 1:Core information

Record no	<input type="text"/>	Sort by	Show (Max 7)
Activity status	Active <input type="button" value="v"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Working Title	<input type="text"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Working Inventors	<input type="text"/> (single inventor-e.g.kulkarni)(for multiple inventor names kulkarni,(comma)mashelkar)	<input type="radio"/>	<input checked="" type="checkbox"/>
Email address of corresponding inventor	<input type="text"/> (eg.patent@ncl.res.in)	<input type="radio"/>	<input type="checkbox"/>
Contributing institutions	<input type="text"/> (eg.NCL OR NCL+NIO)	<input type="radio"/>	<input type="checkbox"/>
Administered by	<input type="radio"/> CSIR <input type="radio"/> Other	<input type="radio"/>	<input type="checkbox"/>
Ownership	<input type="radio"/> CSIR <input type="radio"/> Joint;with <input type="radio"/> Other than CSIR	<input type="radio"/>	<input type="checkbox"/>
Categories > Subjects	(S1)Polymer sciences and engineering <input type="button" value="v"/>	<input type="radio"/>	<input type="checkbox"/>
Categories > Portfolio	Select the option <input type="button" value="v"/>	<input type="radio"/>	<input type="checkbox"/>
Disclosure number	Year- 2003 <input type="button" value="v"/> -INV- <input type="button" value="v"/> (e.g.2002-INV-0222)	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
Disclosure date between	<input type="text"/> AND <input type="text"/> (e.g.MM/DD/YYYY)	<input type="radio"/>	<input type="checkbox"/>

Level 2:Decision and sending to IPMD

Search Date :7/18/2011
 Total records found :68
 Search Type :Search by fields
 Search query :Select all record with Activity satus=Active AND Subject=Polymer sciences and engineering AND INVNO=2003-INV- AND
 Sorting :Chronological order by INVNO

RECORD NO	TITLE	INVENTORS	INVNO	NCL_NO	CSIR_NO	APP_NO	COUNTRY
20110301977	PROCESS FOR THE PREPARATION OF FREE STANDING MEMBRANES	KUMAR, PANDIAN SETHIL;KANNAN, PERIASAMY SELVA;MORE, ARVIND;SHINGTE, RAHUL;WADGAONKAR, PRAKASH;SASTRY, MURALI;	2003-INV-0387	2003-NCL-0387	2003-NF-0387	10/799422	US
2011031546513	AN IMPROVED PROCESS FOR THE PREPARATION OF PURE HIGH QUALITY 3,3,4,4-TETRAMINOBIIPHENYL	ASIF MANER;BAVIKAR, SUDHIR;ARUMUGAM SUDALAI;SWAMINATHAN SIVARAM;	2003-INV-0068	2003-NCL-0068	2003-NF-0514	60327567.2-08	DE
201103056921	PROCESS FOR THE PREPARATION OF HIGH QUALITY 3,3,4,4-TETRAMINOBIIPHENYL	MANER, ASIF;BAVIKAR, SUDHIR;SUDALAI, ARUMUGAM;SIVARAM, SWAMINATHAN;	2003-INV-0068	2003-NCL-0068	2003-NF-0514	PCT/IN03/00403	WO
2011031012186	PROCESS FOR THE PREPARATION OF HIGH QUALITY 3,3,4,4-TETRAMINOBIIPHENYL	MANER, ASIF;BAVIKAR, SUDHIR;SUDALAI, ARUMUGAM;SIVARAM, SWAMINATHAN;	2003-INV-0068	2003-NCL-0068	2003-NF-0514	03782766.4	EP
2011031651049	AN IMPROVED PROCESS FOR THE PREPARATION OF PURE HIGH QUALITY 3,3,4,4-TETRAMINOBIIPHENYL	ASIF MANER;BAVIKAR, SUDHIR;ARUMUGAM SUDALAI;SWAMINATHAN SIVARAM;	2003-INV-0068	2003-NCL-0068	2003-NF-0514	2005-512715	JP
201103027638	PROCESS FOR THE PREPARATION OF HIGH QUALITY 3,3,4,4-TETRAMINOBIIPHENYL	MANER, ASIF;BAVIKAR, SUDHIR;SUDALAI, ARUMUGAM;SIVARAM, SWAMINATHAN;	2003-INV-0068	2003-NCL-0068	2003-NF-0514	804886	US

UNRESTRICTED VIEW (3/5)

PREDEFINED REPORT: 1/3 Research Productivity Trend



IPMS > Pre-defined Reports

Generate your own report :

Step1 : Choose type of report

☒ Research productivity trend ☐ Year-wise list of patent documents for NCL ☐ Year-wise list of patent documents for specific inventor

Step2 : Choose between financial year or calendar year

☐ Financial year ☒ Calendar year

Step3 : Choose your range

2005 To 2010

Generate report

Refresh

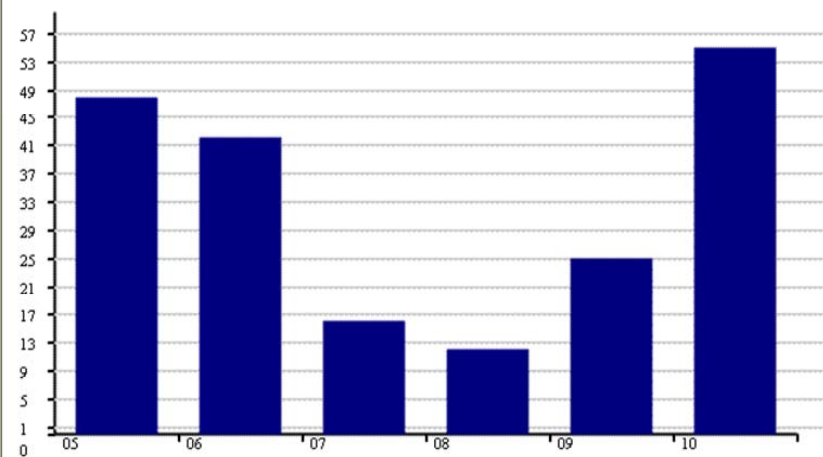
Report generated at IPMS	: http://172.16.14.200/ipms/
Search Date	: 25 July 2011
Type of report	Research Productivity trend Year range : 2005,2010

Calendar year	Indian Patents		PCT Applications	Foreign Patents **		Total Granted
	Filed Patents	Granted Patents	Bar chart	Filed Patents	Granted Patents	Bar chart
	Bar chart	Bar chart		Bar chart	Bar chart	
2005	48	31	11	43	50	81
2006	42	81	8	135	60	141
2007	16	26	3	29	57	83
2008	12	99	3	51	60	159
2009	25	83	4	1	41	124
2010	55	41	16	22	29	70

Patents/Applications filed in India for years :2005 To 2010

X axis - years

Y axis - no. of patents



UNRESTRICTED VIEW (3/5)

PREDEFINED REPORT: 2/3; Year-wise list of NCL patent documents



IPMS > Pre-defined Reports

Generate your own report :

Step1 : Choose type of report

☐ Research productivity trend ☒ Year-wise list of patent documents for NCL ☐ Year-wise list of patent documents for specific inventor

Step2 : Choose one of the options from bellow.

☐ Indian filed ☒ Indian granted ☐ PCT filed ☐ Foreign filed ☐ Foreign granted

Step3 : Choose between financial year or calendar year

☒ Financial year ☐ Calendar year

Step4 : Choose your range

2000-2001 To 2003-2004

Generate report

Refresh

Report generated at IPMS	: http://172.16.14.200/ipms/
Search Date	: 25 July 2011
Type of report	<ul style="list-style-type: none"> • Year-wise list of patent document for NCL • Patent - Indian granted • Year range : 2000 - 2001 To 2003 - 2004
Sorting	: Chronological order by - Date of grant

Sr no.	Grant date	Grant no.	Title	Inventors
1	3/22/2004	190813	AN IMPROVED PROCESS FOR THE PREPARATION OF 2,4-DICHLOROTOLUENE	SHARMA S;SINGH AP;RAMASWAMY AV; ,
2	3/18/2004	190987	AN IMPROVED PROCESS FOR RECOVERY OF GLYCERIN FROM FERMENTED MOLASSES	CHANDRA ISHWAR BALAKRISHNAN ;SRINIVASA VENKITAKRISHNAN ;GURUVAYUR RAJAGOPAL ; ,
3	3/18/2004	191019	A NEW PROCESS FOR THE RECOVERY OF POTASIUM BITARTARATE AND OTHER PRODUCTS SUCH AS PECTIN SUGARS FRUIT ACIDS AS BY-PRODUCTS FROM TAMARIND PULP	MOHAN GOPALKRISHNA KULKARNI;MADHAV JAGANNATH THAKAR;SUDHIR SHARADCHANDRA KULKARNI;SANJAYNARAYAN NENE;BHASKAR GANAPATRAO GAIKWAD; ,
4	3/18/2004	190552	AN IMPROVED PROCESS FOR THE PREPARATION OF ANILINE BY HYDROGENATION OF NITROBENZENE USING AN IMPROVED COPPER SILICA CATALYST	KESHVARAJA A;RAMASWAMY AV; ,
5	3/16/2004	190825	AN IMPROVED PROCESS FOR THE PRODUCTION OF AMINO CARBOXYLIC ACID SALTS	SARADA GOPINATHAN;CHANGARAMPONNATH GOPINATHAN;IKKANDATH RAGHAVAN UNNY;SHILPA SHIRISH DESHPANDE ;MANJU PRAMOD DEGAONKAR;CHAKALATHU SADASHIVAN SAJANI KUMARI ;TRISSA JOSEPH ; ,
6	3/16/2004	190971	A PROCESS FOR THE PREPARATION OF DIESTERS OF POLY (OXY ALKYLENE	BHALCHANDRA SHRIPAD LELE;MOHAN GOPALKRISHNA KULKARNI; ,

UNRESTRICTED VIEW (3/5)

PREDEFINED REPORT: 3/3

Year wise list of patent documents for “Specific Inventor”



IPMS > Pre-defined Reports

Generate your own report :

Step1 : Choose type of report

☐ Research productivity trend ☐ Year-wise list of patent documents for NCL ☒ Year-wise list of patent documents for specific inventor

Step2 : Choose one of the options from bellow.

☐ Indian filed ☐ Indian granted ☐ PCT filed ☒ Foreign filed ☐ Foreign granted

Step3 : Choose between financial year or calendar year

☐ Financial year ☒ Calendar year

Step4 : Choose your range

1946 To 2011

Step5 : Select the specific inventor

SUBRAMANIAN e.g. Kulkarni{surname}

Generate report

Refresh

IP GROUP > IPMS > Record entry form

Report generated at IPMS	: http://172.16.14.200/ipms/
Search Date	: 28 July 2011
Type of report	<ul style="list-style-type: none"> • Year-wise list of patent document for Specific inventor • Patent - foreign filed * • Year range : 1946 To 2011 • Inventor name : SUBRAMANIAN
sorting	: Chronological order by - Date of filing

Sr no.	Country/Region	Application no.	Title	Inventors
1	EP	S9301537.0	AN IMPROVED REFORMING PROCESS FOR THE CATALYTIC CONVERSION OF PETROLEUM FRACTIONS TO A MIXTURE OF HYDROCARBONS RICH IN AROMATICS	SIVASANKER, SUBRAMANIAN; RATNASAMY, PAUL; ,
2	AU	39063/89	PROCESS FOR THE CONVERSION OF NATURAL GAS INTO MIDDLE DISTILLATES.	PAUL RATNASAMY; SUBRAMANIAN SIVASANKER; ,
3	BR	S903863	REFORMING PROCESS FOR THE CATALYTIC CONVERSION OF PETROLEUM FRACTIONS TO A MIXTURE OF HYDROCARBONS RICH IN AROMATICS	SUBRAMANIAN SIVASANKER; PAUL RATNASAMY; ,
4	EP	S9307879.0	AN IMPROVED PROCESS FOR THE CONVERSION OF NATURAL GAS INTO	PAUL RATNASAMY; SUBRAMANIAN SIVASANKER; ,

UNRESTRICTED VIEW (4/5)

KELKAR COMMITTEE REPORT:



IP GROUP>IPMS>Search result

Report generated at IPMS	http://172.16.14.200/ipms/
Search Date	27 July 2011
Type of Report:	Pre-defined report: Performance trend(as per Kelkar committee indicators for 10 year) for subject:

Category of benefits	Benefit	Indicator	2011**	2010	2009	2008	2007	2006	2005	2004	2003	2002
Public & social goods	Generation of and dissemination of generic knowledge	No of invention disclosures	38	51	38	47	26	NA	NA	NA	NA	NA
		No of patents filed in India	32	55	25	12	16	42	48	62	50	35
		No of PCT applications filed	9	16	4	3	3	8	11	14	35	2
		No of foreign patents filed *	2	22	1	51	29	135	43	67	91	50
	Pride and standing amongst nations;National image	No of foreign patents granted *	1	29	41	60	57	60	50	34	42	47
Private goods	Licensing and technology transfer	No of patents licensed or assigned	DNE	DNE	DNE	DNE	DNE	DNE	DNE	DNE	DNE	DNE
Strategic goods and options	Other tactical and strategic developments	No of Indian patents granted	2	41	83	99	26	81	31	58	31	60
		No of foreign patents granted *	1	29	41	60	57	60	50	34	42	47
Intellectual assets and reputation	Quality, reputation and standing of scientific manpower	No of Indian patents granted	2	41	83	99	26	81	31	58	31	60
		No of foreign patents granted *	1	29	41	60	57	60	50	34	42	47

*-Foreign means all filings other than IN & WO

**-.Current year

NA-Not Applicable

DNE-Data not entered

2008 onwards:National phase entry delayed intentionally to defer costs & collect more info for investment decision.

SUBJECTS

- (S1) Polymer sciences and engineering
- (S2) Hybrid and inorganic materials
- (S3) Biological sciences and engineering
- (S4) Organic chemistry
- (S5) Catalysis
- (S6) Chemical engineering and process development
- (S7) Others

PORTFOLIO CATEGORIES

- (P1) Value addition of bioresources, renewable polymers
- (P2) Controlled delivery of active agents
- (P3) Nano-micro structured materials
- (P4) New organic/bio-organic molecules
- (P5) Fuel/Alternate/clean energy
- (P6) Agrobiotechnology/pest control
- (P7) Industrial biotechnology/enzymology
- (P8) Medical biotechnology/bioprocess engineering
- (P9) Polymer additives compounds/blends/composites
- (P10) Polymers for specialty applications
- (P11) Polymerization/Polymer catalysis
- (P12) Membranes/separations
- (P13) Fine chemical/pharma intermediate drugs/bioactives
- (P14) Modeling/software/algorithms
- (P15) Petrochemicals/industrial chemicals
- (P16) Environmentally friendly/green/clean process
- (P17) Others

UNRESTRICTED VIEW (5/5)

PORTFOLIO ANALYSIS:

- SUBJECT, PORTFOLIO WISE ANALYSIS
- YEAR-WISE ANALYSIS BY AGE OF PATENT
- CASE STATUS, REGION WISE REPORTS

sis Report

Note: Please select the options from all three column to generate report.

Regions : ☒ IN
☒ US
☐ OTHERS

Case Status : ☐ Abandoned before filing
☐ Merged and closed
☐ Provisional application filed
☒ Complete specification filed
☐ Abandoned after filing
☒ Granted + Inforce
☐ Granted + Allowed to lapse
☐ Granted + Expired
☐ Under processing at IPG
☐ Under processing at IPMD
☐ Administration by others

Report type: ☐ By Subject
☒ By Portfolio
☐ By Age

- Subject category list
- Portfolio category list

Get Report

Refresh

IPMS

IP GROUP> IPMS> Search results

Report generated at IPMS

Search Date

Type of Report :

Query requested :

<http://172.16.14.200/ipms/>

:28 July 2011

Portfolio analysis > By portfolio

Select all the records where country=IN AND US AND (Document status=Complete specification filed OR Document status=Granted Inforce)

Portfolio	Numbers	Percentage (%)
(GT)Value addition of bioresources, renewable polymers(p1)	4	0
(GT)Environmentally friendly/green/clean process(p15)	15	2
(GT)Fuel/alternate/clean energy(p5)	9	1
(MT)Controlled delivery of active agents(p2)	31	4
(MT)Nano-micro structured materials(p3)	55	7
(MT)Polymer additives compounds/blends/composites(p9)	18	2
(MT)Polymers for speciality applications(p10)	66	8
(MT)Polymerization/Polymer catalysis(p11)	134	17
(MT)Membranes/separations(p12)	25	3
(BT)Microbiotechnology/biost control(p6)	19	2
(BT)Industrial biotechnology/enzymology(p7)	50	6
(BT)Medical biotechnology/bioprocess engineering(p8)	3	0
(CT)New organic/bio-organic molecules(p4)	0	0
(CT)Fine chemical/pharma intermediate drugs/bioactives(p1)	181	22
(CT)Modeling/software/algorithms(p14)	8	1
(CT)Petrochemicals/industrial chemicals(p15)	169	21
(CT)Others(p17)	20	2
(UT)Uncategorized	1	0
Total	987	100

Color

Category

Clean / Green Technology(GT)
Materials Technology(MT)
Biotechnology(BT)
Chemical Technology(CT)

IPMS

IP GROUP> IPMS> Detail records

Report generated at IPMS

Search Date

Type of Report :

Query requested :

<http://172.16.14.200/ipms/>

:28 July 2011

Portfolio analysis > By portfolio

Select portfolio,ID,COUNTRY,CSIR_NO,TITLE,APP_NO,priority_date,AUTHORS,NCL_NO from patent where ID not like '0' AND ((COUNTRY like '%US%') OR (COUNTRY like '%IN%')) AND (DOC_STATUS like '%Complete specification filed%' OR DOC_STATUS like '%Granted + Inforce%') AND (portfolio='Medical biotechnology/bioprocess engineering')

RECORD NO	Title	Inventors	CSIR no	NCL no	Application no	COUNTRY	Priority date
2011032817434	INHIBITORY ACTIVITY OF BYTTENERIA SPECIES	DHIMAN SARKAR;SWATI PRAMOD JOSHI;UPASANA SINGH;KETKI DILIP SHURPALI;ROSHAN RAJAN KULKARNI;	2010-NF-0030	2010-NCL-0003	0680DEL2010	IN	3/22/2010
2011043039107	1, 2, 4-TRIAZOLE DERIVATIVES AND THEIR ANTIMYCOBACTERIAL ACTIVITY	DHIMAN SARKAR;SUNITA RANJAN DESHPANDE;SHAILAJA PRAMOD MAYBHATE;SAYALEE RAMCHANDRA CHAVAN;ANJALI PRABHAKAR LIKHITE.;SAMPA SARKAR;ARSHAD KHAN;PREETI MADHUKAR CHAUDHARY;	2010-NF-0021	2010-NCL-0001	0574DEL2010	IN	3/12/2010
2011032897609	ANTI TUBERCULAR AGENTS	C.MITRA;DHIMAN SARKAR;SAMPA SARKAR;ROHIT RAMESH JOSHI;VIJAY MURLIDHAR KHEDKAR;RAGHUVIR RAMAKANT PISSURLENKAR;EVANS CLIFFTON COUTINHO;ANAMIK KANTILAL SHAH;	2009-NF-0184	2009-NCL-0020	1244DEL2010	IN	5/31/2010

Overview:

- Introduction to IPG processes
- Introduction to Intellectual Property Management System (IPMS)
- Search Reports (Unrestricted)
- Search Reports (Restricted) ←
- Benefits of IPMS
- Future Plans

IPMS: Restricted View

[Password protected]

IPMS Intellectual Property Management System

Reports:

- SEARCH
- PERFORMANCE
- PORTFOLIO
- ACTION
- UPDATING
- EFFICIENCY

Restricted view : Read only access

SEARCH	<ul style="list-style-type: none">o <u>Simple/Universal search</u>o <u>Search by fields and create reports</u>
PERFORMANCE	<ul style="list-style-type: none">o <u>Pre-defined reports</u>o <u>Kelkar Committee report</u>o <u>Cause Effect Analysis</u>
PORTFOLIO	<ul style="list-style-type: none">o <u>Portfolio Analysis</u>
ACTION	<ul style="list-style-type: none">o <u>Next action list</u>o <u>Show all cases sent to IPMD yet to be filed</u>o <u>Shows all CAP cases</u>o <u>Show all cases waiting for PCT filing</u>
UPDATING	<ul style="list-style-type: none">o <u>Monthly Database updating for Provisional/Complete application filed case</u>o <u>Annual Database updating for Granted + Inforced patent</u>o <u>Cases to be updated for expiring</u>
EFFICIENCY	<ul style="list-style-type: none">o <u>Time to filing</u>o <u>Conversion ratios</u>o <u>Status & grant ratio</u>

CREDITS:

Key Contributions	Responsibility
Software development and management	➤ Namrata Salwe, Venture Center/ IPFACE
Database control, quality control/ testing, pacing/ planning of project	➤ Sneha Kanitkar, Venture Center/ IPFACE
Data searching, additions	➤ Sneha Kanitkar, Venture Center/ IPFACE ➤ Lipika Biswas, Venture Center/ IPFACE ➤ Kajal Shinde, Venture Center/ IPFACE
Data collection, categorization, coordination, defining reports etc	➤ VV Panchanadikar, IP Group, NCL ➤ Nitin S Tewari, IP Group, NCL ➤ V. Premnath, IP Group/ NCLI, NCL
Old data and clarification on data	➤ AD Kulkarni, NCL Innovations, NCL ➤ Chandanaa Roybardhan, , IP Group, NCL ➤ Srividya Ravi, Gnanlex ➤ IPMD, New Delhi