

FILED ABROAD (based on e-mail of IPU dated (04-10-2017))

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|-------|--|--|----------------------------|------------------------|--------------------|--------|
| 82 | 0103NF2014/EP | NEIST | A NOVEL PROCESS FOR EXTRACTION AND SEPARATION OF OXYRESVERATROL FROM ARTOCARPUS LAKOOCHA ROXB (Chem Engg) | SWAPNALI HAZARIKA, DILIP KONWAR, HIROKJYOTI BORAH, SOMIRON BORTHAKUR, PRANAB BARKAKATI, MODON MOHAN BORA, RAM NATH DAS | --- | 13-04-2017 | 15801283.1 | PP |
| 81 | 0103NF2014/US | NEIST | A NOVEL PROCESS FOR EXTRACTION AND SEPARATION OF OXYRESVERATROL FROM ARTOCARPUS LAKOOCHA ROXB | SWAPNALI HAZARIKA, DILIP KONWAR, HIROKJYOTI BORAH, SOMIRON BORTHAKUR, PRANAB BARKAKATI, MODON MOHAN BORA, RAM NATH DAS | --- | 06-Apr-17 | 15/517439 | PP |
| 80 | 0186NF2015/WO | NEIST | A NIO-NANOCELLULOSE HYBRID NANOCOMPOSITES FOR THEIR ANTIBACTERIAL AND ANTIFUNGAL ACTIVITIES (NPC) | ARCHANA MONI DAS, MANASH PROTIM HAZARIKA, DEBJANI BARUAH, B S BHAU, PURNAJYOTI DEKA BHUYAN, BITUPON BORAH | --- | 18-03-2017 | PCT/IN2017/050099 | PP |
| 79 | 0261NF2015/WO | NEIST | AN ECO- FRIEDNLY PROCESS THE PREPARATION OF VANILLIN FROM IPOMEA CARNEA(NPC) | ARCHANA MONI DAS, MANASH PROTIM HAZARIKA, MUNMI GOSWAMI | --- | 16-02-2017 | PCT/IN2017/050064 | PP |
| 78 | 0076NF2011/US | NEIST | A PROCESS FOR THE PREPARATION OF RESIN COATED BAUXITE PROPPANTS(Mat Sc) | DIPAK KUMAR DUTTA, PINAKI SENGUPTA, KOKIL SAIKIA, PODMA POLLOV SARMAH, ANKANA PHUKAN | --- | 30-06-2016 | 15/109,147 | PP |
| 77 | 0239NF2014/WO | NEIST | A NOVEL CLASS OF DIOSGENIN ACETATE-ISOXAZOLE, PROCESS FOR PREPARATION THEREOF AND THEIR ANTIFUNGAL ACTIVITY(NPC) | ARCHANA MONI DAS, MANASH PROTIM HAZARIKA, PURNAJYOTI DEKA BHUYAN | --- | 22-02-2016 | PCT/IN2015/050062 | PP |
| 76 | 0172NF2014/WO | NEIST | STEROID-CHITOSAN KETIMINE NANOPARTICLES FOR ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY(NPC) | ARCHANA MONI DAS, ABDUL AZIZ ALI, PRITISH KUMAR CHOWDHURY, MANASH PROTIM HAZARIKA, ARCHANA YADAV, PURNAJYOTI DEKA BHUYAN | --- | 18-12-2015 | PCT/IN2015/050209 | PP |
| 75 | 0103NF2014/WO | NEIST | A NOVEL PROCESS FOR EXTRACTION AND SEPARATION OF OXYRESVERATROL FROM ARTOCARPUS LAKOOCHA ROXB (CHEM ENGG) | SWAPNALI HAZARIKA, DILIP KONWAR, HIROKJYOTI BORAH, SOMIRON BORTHAKUR, PRANAB BARKAKATI, MODON | --- | 07-10-2015 | PCT/IN2015/050129 | PP |
| 74 | 0099NF2014/WO | NEIST | A METHOD FOR THE ISOLATION OF VANILLIN FROM RICE STRAW | ARCHANA MONI DAS, ABDUL AZIZ ALI, DILIP KONWAR, TARUN CHANDRA BORA, MANASH PROTIM HAZARIKA | --- | 03-07-2015 | PCT/IN2015/050059 | PP |
| 73 | 0164NF2013/WO | NEIST | CHIRAL AMINES, A PROCESS FOR PREPARATION AND USE THEREOF (NPC DIVN.) | NABIN CHANDRA BARUA, BISHWAJIT SAIKIA, PREETISMITA BORAH, GAKUL BAISHYA | --- | 03-06-2015 | PCT/IN2015/050040 | PP |
| 72 | 0131NF2012/US | NEIST | A PROCESS FOR THE PREPARATION OF OXIDIC NANO SHEETS COATED MONOLITHIC CATALYSTS USEFUL FOR THE TREATMENT OF TOXIC N2O GAS (MAT. SC.) | RAJIB LOCHAN GOSWAMEE, MRIDUSMITA MISHRA, ANIL KUMAR SARMA BARUAH | --- | 20-05-2015 | 14/646333 | PP |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|-------|--|---|----------------------------|------------------------|--------------------|--------|
| 71 | 0237NF2013/WO | NEIST | SYNTHESIS OF 16-(1H-BENZIMIDAZOL-1-YL)-PREGNENOLONE ACETATE AS CYTOTOXIC AGENT | SANJIB GOGOI, ROMESH CHANDRA BORUAH, PALLABI SAIKIA, ANTHONY ADDLAGATTA, VENKATESHWARLU SADDANAPU | --- | 29-04-2015 | PCT/IN2015//000188 | PP |
| 70 | 0112NF2012/CN | NEIST | A SYNERGISTIC PHARMACEUTICAL COMPOSITION USEFUL FOR THE TREATMENT OF LUNG CANCER (MAEP DIVN.) | MANTU BHUYAN, PRANAB RAM BHATTACHARYYA, PRANAB KUMAR BARUAH, NABIN CHANDRA BARUA, PARUCHURI GANGADHAR RAO, SUSHMITA BHATTACHARYA, RAKESH KUNDU, PRIYAJIT CHATTERJEE, SOMA SEAL, SANDEEP MUKHERJEE, SUMAN DASGUPTA, SUDIPTA MOITRA, SHELLEY BHATTACHARYA, SAMIR BHATTACHARYA | --- | 25-12-2014 | 35037823 | PP |
| 69 | 0076NF2011/WO | NEIST | A PROCESS FOR THE PREPARATION OF RESIN COATED BAUXITE PROPPANTS (MAT. SC.) | DIPAK KUMAR DUTTA, PINAKI SENGUPTA, KOKIL SAIKIA, PODMA POLLOV SARMAH, ANKANA PHUKAN | --- | 24-12-2014 | PCT/IN2014/000798 | PP |
| 68 | 0112NF2012/US | NEIST | A SYNERGISTIC PHARMACEUTICAL COMPOSITION USEFUL FOR THE TREATMENT OF LUNG CANCER (MAEP DIVN.) | MANTU BHUYAN, PRANAB RAM BHATTACHARYYA, PRANAB KUMAR BARUAH, NABIN CHANDRA BARUA, PARUCHURI GANGADHAR RAO, SUSHMITA BHATTACHARYA, RAKESH KUNDU, PRIYAJIT CHATTERJEE, SOMA SEAL, SANDEEP MUKHERJEE, SUMAN DASGUPTA, SUDIPTA MOITRA, SHELLEY BHATTACHARYA, SAMIR BHATTACHARYA | --- | 23-12-2014 | 14/410,844 | PP |
| 67 | 0112NF2012/EP | NEIST | A SYNERGISTIC PHARMACEUTICAL COMPOSITION USEFUL FOR THE TREATMENT OF LUNG CANCER (MAEP DIVN.) | MANTU BHUYAN, PRANAB RAM BHATTACHARYYA, PRANAB KUMAR BARUAH, NABIN CHANDRA BARUA, PARUCHURI GANGADHAR RAO, SUSHMITA BHATTACHARYA, RAKESH KUNDU, PRIYAJIT CHATTERJEE, SOMA SEAL, SANDEEP MUKHERJEE, SUMAN DASGUPTA, SUDIPTA MOITRA, SHELLEY BHATTACHARYA, SAMIR BHATTACHARYA | --- | 17-12-2014 | 12775316.8 | PP |
| 66 | 0077NF2013/US | NEIST | A PROCESS FOR REDUCING CHLORONITROBENZENE CATALYZED BY PLATINUM-NANOPARTICLES STABILIZED ON MODIFIED MONTMORILLONITE CLAY (MAT. SC.) | DUTTA DIPAK KUMAR, DUTTA DIPANKA | --- | 22-11-2014 | 14/550373 | PP |
| 65 | 0077NF2013/GB | NEIST | A PROCESS FOR REDUCING CHLORONITROBENZENE CATALYZED BY PLATINUM-NANOPARTICLES STABILIZED ON MODIFIED MONTMORILLONITE CLAY (MAT. SC.) | DUTTA DIPAK KUMAR, DUTTA DIPANKA | --- | 21-11-2014 | 1420745 | PP |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|----------------|--|---|----------------------------|------------------------|--------------------|--------|
| 64 | 0030NF2012/US | NEIST | SUPPORTED MIXED METAL OXIDIC NANO SHEETS COATED CERAMIC MONOLITHIC REACTOR SUITABLE FOR THE ADSORPTION OF TOXIC SULPHUR BEARING GASES-METHOD OF THEIR PREPARATION AND APPLICATION (MAT. SC.) | MRIDUSMITA MISHRA, RAJIB LOCHAN GOSWAMEE | --- | 01-03-2014 | 14/147246 | PP |
| 63 | 0131NF2012/WO | NEIST | A PROCESS FOR THE PREPARATION OF OXIDIC NANO SHEETS COATED MONOLITHIC CATALYSTS USEFUL FOR THE TREATMENT OF TOXIC N ₂ O GAS (MAT. SC.) | RAJIB LOCHAN GOSWAMEE, MRIDUSMITA MISHRA, ANIL KUMAR SARMA BARUAH | --- | 23-11-2013 | PCT/IN2013/000713 | PP |
| 62 | 0077NF2013/WO | NEIST | A PROCESS FOR REDUCING CHLORONITROBENZENE CATALYZED BY PLATINUM-NANOPARTICLES STABILIZED ON MODIFIED MONTMORILLONITE CLAY(MAT. SC.) | DUTTA DIPAK KUMAR, DUTTA DIPANKA | --- | 18-11-2013 | PCT/IN2013/000698 | PP |
| 61 | 0017NF2011/US | NEIST | A NOVEL SERIES OF 1,2,3-TRIAZOLE CONTAINING ARTEMISININ DERIVED DIMERS WITH POTENT ANTICANCER ACTIVITIES(NAT. PROD. CHEM. DIVN) | BISHWAJIT SAIKIA, NABIN CHANDRA BARUA, PARTHA PRATIM SAIKIA, ABHISHEK GOSWAMI, PARUCHURI GANGADHAR RAO, AJIT KUMAR SAXENA, NITASHA SURI | --- | 14-08-2013 | 13/985527 | PP |
| 60 | 0017NF2010/US | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 18-01-2013 | 13/811090 | PP |
| 59 | 0017NF2010/BR | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 17-01-2013 | BR1120130012447 | PP |
| 58 | 0017NF2010/CN | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES (NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 16-01-2013 | 201180035064.X | PP |
| 57 | 0017NF2010/EP | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 01-11-2013 | 11755454.3 | PP |
| 56 | 0017NF2010/CA | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 01-10-2013 | 2805098 | PP |
| 55 | 0017NF2010/NZ | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 18-12-2012 | 604835 | PP |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|----------------|---|---|----------------------------|------------------------|--------------------|--------|
| 54 | 0074NF2009/VN | NEIST | A METHOD FOR THE EXTRACTION OF SHIKIMIC ACID(NAT. PROD. CHEM. DIVN) | BORDOLOI MANOBJYOTI, BORAH JAYANTA, ROY DIPAK KUMAR, DUTTA SUBHASH CHANDRA, BARUAH NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 10-12-2012 | 1-2012-03033 | PP |
| 53 | 0112NF2012/WO | NEIST | A SYNERGISTIC PHARMACEUTICAL COMPOSITION USEFUL FOR THE TREATMENT OF LUNG CANCER (MAEP DIVN.) | MANTU BHUYAN, PRANAB RAM BHATTACHARYYA, PRANAB KUMAR BARUAH, NABIN CHANDRA BARUA, PARUCHURI GANGADHAR RAO, SUSHMITA BHATTACHARYA, RAKESH KUNDU, PRIYAJIT CHATTERJEE, SOMA SEAL, SANDEEP MUKHERJEE, SUMAN DASGUPTA, SUDIPTA MOITRA, SHELLEY BHATTACHARYA, SAMIR BHATTACHARYA | --- | 09-05-2012 | PCT/IN2012/000581 | PP |
| 52 | 0017NF2010/AU | NEIST +IGIB | ACID ESTER OF 2-PYRIDINYLTIO COMPOUNDS BEARING POTENT ANTI-INFLAMMATORY PROPERTIES(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 21-12-2012 | 2011281132 | PP |
| 51 | 0074NF2009/CN | NEIST | A METHOD FOR THE EXTRACTION OF SHIKIMIC ACID(NAT. PROD. CHEM. DIVN) | BORDOLOI MANOBJYOTI, BORAH JAYANTA, ROY DIPAK KUMAR, DUTTA SUBHASH CHANDRA, BARUAH NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 09-12-2012 | 2.0118E+11 | PP |
| 50 | 0145NF2009/GB | NEIST | A NEW SERIES OF ARTEMISININ DERIVATIVES WITH POTENT ANTICANCER ACTIVITIES(NAT. PROD. CHEM. DIVN) | GAKUL BAISHYA, NABIN CHANDRA BARUA, ABHISHEK GOSWAMI, PARTHA PRATIM SAIKIA, PARUCHURI GANGADHAR RAO, AJIT KUMAR SAXENA, NITASHA SURI, MADHUNIKA SHARMA | --- | 20-07-2012 | 1213096.9 | PP |
| 49 | 0074NF2009/LA | NEIST | A METHOD FOR THE EXTRACTION OF SHIKIMIC ACID(NAT. PROD. CHEM. DIVN) | BORDOLOI MANOBJYOTI, BORAH JAYANTA, ROY DIPAK KUMAR, DUTTA SUBHASH CHANDRA, BARUAH NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 09-12-2012 | PT213 | PP |
| 48 | 0074NF2009/TH | NEIST | A METHOD FOR THE EXTRACTION OF SHIKIMIC ACID(NAT. PROD. CHEM. DIVN) | BORDOLOI MANOBJYOTI, BORAH JAYANTA, ROY DIPAK KUMAR, DUTTA SUBHASH CHANDRA, BARUAH NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 09-11-2012 | 1201004656 | PP |
| 47 | 0074NF2009/US | NEIST | A METHOD FOR THE EXTRACTION OF SHIKIMIC ACID(NAT. PROD. CHEM. DIVN) | BORDOLOI MANOBJYOTI, BORAH JAYANTA, ROY DIPAK KUMAR, DUTTA SUBHASH CHANDRA, BARUAH NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 09-07-2012 | 13/583315 | PP |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|----------------|---|---|----------------------------|------------------------|--------------------|--------|
| 46 | 0145NF2009/TH | NEIST | A NEW SERIES OF ARTEMISININ DERIVATIVES WITH POTENT ANTICANCER ACTIVITIES(NAT. PROD. CHEM. DIVN) | GAKUL BAISHYA, NABIN CHANDRA BARUA, ABHISHEK GOSWAMI, PARTHA PRATIM SAIKIA, PARUCHURI GANGADHAR RAO, AJIT KUMAR SAXENA, NITASHA SURI, MADHUNIKA SHARMA | --- | 23-07-2012 | 1201003689 | PP |
| 45 | 0145NF2009/US | NEIST | A NEW SERIES OF ARTEMISININ DERIVATIVES WITH POTENT ANTICANCER ACTIVITIES (NAT. PROD. CHEM. DIVN) | GAKUL BAISHYA, NABIN CHANDRA BARUA, ABHISHEK GOSWAMI, PARTHA PRATIM SAIKIA, PARUCHURI GANGADHAR RAO, AJIT KUMAR SAXENA, NITASHA SURI, MADHUNIKA SHARMA | --- | 20-07-2012 | 13/574440 | PP |
| 44 | 0157NF2010/WO | NEIST | 3,4-DIHYDROXYALLYL BENZENE AND 2',3'-EPOXYPROPYL-3,4-DIHYDROXY BENZENE DEMONSTRATED STRONG ANTI-CANCER PROPERTY AGAINST CANCER CELLS(NAT. PROD. CHEM. DIVN) | BHATTACHARYA SUSHMITA, DASGUPTA SUMAN, BHATTACHARYA SHELLEY, BHATTACHARYA SAMIR, BORDOLOI MANOBJYOTI, BARUA NABIN CHANDRA, RAO PARUCHURI GANGADHAR | -- | 29-03-2012 | PCT/IN2012/000212 | PP |
| 43 | 0017NF2011/WO | NEIST | A NOVEL SERIES OF 1,2,3-TRIAZOLE CONTAINING ARTEMISININ DERIVED DIMERS WITH POTENT ANTICANCER ACTIVITIES (NAT. PROD. CHEM. DIVN) | BISHWAJIT SAIKIA, NABIN CHANDRA BARUA, PARTHA PRATIM SAIKIA, ABHISHEK GOSWAMI, PARUCHURI GANGADHAR RAO, AJIT KUMAR SAXENA, NITASHA SURI | --- | 14-02-2012 | PCT/IN2012/000099 | PP |
| 42 | 0017NF2010/WO | NEIST +IGIB | PYRIDIN- 2 - YL SULFANYL ACID ESTERS AND PROCESS FOR THE PREPARATION THEREOF(NAT. PROD. CHEM. DIVN) | SARMA JADAB CHANDRA, BORA DILIP CHANDRA, RAO PARUCHURI GANGADHAR, GHOSH BALARAM, BALWANI SAKSHI | --- | 21-07-2011 | PCT/IN2011/000477 | PP |
| 41 | 0098NF2010/WO | NEIST | METHOD FOR INHIBITION OF NF-KB GENE EXPRESSION(NAT. PROD. CHEM. DIVN) | BHATTACHARYA SUSHMITA, DASGUPTA SUMAN, BARMA POMY, BISWAS ANINDITA, PAL BIKASH CHANDRA, BHATTACHARYA SHELLEY, BHATTACHARYA SAMIR, BORDOLOI MANOBJYOTI, BARUA NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 07-07-2011 | PCT/IB2011/001580 | PP |
| 40 | 0074NF2009/WO | NEIST | A METHOD FOR THE EXTRACTION OF SHIKIMIC ACID(NAT. PROD. CHEM. DIVN) | BORDOLOI MANOBJYOTI, BORAH JAYANTA, ROY DIPAK KUMAR, DUTTA SUBHASH CHANDRA, BARUAH NABIN CHANDRA, RAO PARUCHURI GANGADHAR | --- | 03-09-2011 | PCT/IB2011/000501 | PP |
| 39 | 0145NF2009/WO | NEIST | A NEW SERIES OF ARTEMISININ DERIVATIVES WITH POTENT ANTICANCER ACTIVITIES (NAT. PROD. CHEM. DIVN) | GAKUL BAISHYA, NABIN CHANDRA BARUA, ABHISHEK GOSWAMI, PARTHA PRATIM SAIKIA, PARUCHURI GANGADHAR RAO, AJIT KUMAR SAXENA (IIM), NITASHA SURI (IIM), MADHUNIKA SHARMA (IIM). | --- | 20-01-2011 | PCT/IB2011/000078 | PP |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|-------|---|--|----------------------------|------------------------|--------------------|--------|
| 38 | 0091NF2006/CN | NEIST | A SIMULTANEOUS METHOD FOR THE PREPARATION OF A MIXTURE OF 3-ACETOXY-17-ACETAMIDO-16-FORMYL-ANDROST-5,17-DIENE AND 3-ACETOXY-2'-CHLORO-5-ANDROSTENO[17,16-B]PYRIDINE (MED. CHEM.) | ROMESH CHANDRA BORUAH, MOYURIMA BORTHAKUR, MADAN GOPAL BARTHAKUR, PARUCHURI GANGADHAR RAO, SUDIP KUMAR KAR (IICB), ANNALAKSHMI CHINNIHAH (IICB), SUCHANDRA GOSWAMI (IICB), PRATAP KUMAR DAS (IICB) | --- | 24-11-2010 | 200980118933.8 | PP |
| 37 | 0091NF2006/GB | NEIST | A SIMULTANEOUS METHOD FOR THE PREPARATION OF A MIXTURE OF 3-ACETOXY-17-ACETAMIDO-16-FORMYL-ANDROST-5,17-DIENE AND 3-ACETOXY-2'-CHLORO-5-ANDROSTENO[17,16-B]PYRIDINE (MED. CHEM.) | ROMESH CHANDRA BORUAH, MOYURIMA BORTHAKUR, MADAN GOPAL BARTHAKUR, PARUCHURI GANGADHAR RAO, SUDIP KUMAR KAR (IICB), ANNALAKSHMI CHINNIHAH (IICB), SUCHANDRA GOSWAMI (IICB), PRATAP KUMAR DAS (IICB) | --- | 27-10-2010 | 1018142.8 | PP |
| 36 | 0091NF2006/US | NEIST | A SIMULTANEOUS METHOD FOR THE PREPARATION OF A MIXTURE OF 3-ACETOXY-17-ACETAMIDO-16-FORMYL-ANDROST-5,17-DIENE AND 3-ACETOXY-2'-CHLORO-5-ANDROSTENO[17,16-B]PYRIDINE (MED. CHEM.) | ROMESH CHANDRA BORUAH, MOYURIMA BORTHAKUR, MADAN GOPAL BARTHAKUR, PARUCHURI GANGADHAR RAO, SUDIP KUMAR KAR (IICB), ANNALAKSHMI CHINNIHAH (IICB), SUCHANDRA GOSWAMI (IICB), PRATAP KUMAR DAS (IICB) | --- | 30-09-2010 | 12/935877 | PP |
| 35 | 0034NF2008/GB | NEIST | PROCESS FOR THE PREPARATION OF 4-(4-HYDROXYPHENYL)BUTAN-2-ONE FROM PHENOL AND 4-HYDROXYBUTAN-2-ONE USING SOLID ACID CLAY CATALYST (MAT. SC.) | DUTTA DIPAK KUMAR, PATHAK MADAN GOPAL | --- | 27-09-2010 | 1016235.2 | PP |
| 34 | 0034NF2008/US | NEIST | PROCESS FOR THE PREPARATION OF 4-(4-HYDROXYPHENYL)BUTAN-2-ONE FROM PHENOL AND 4-HYDROXYBUTAN-2-ONE USING SOLID ACID CLAY CATALYST (MAT. SC.) | DUTTA DIPAK KUMAR, PATHAK MADAN GOPAL | --- | 24-09-2010 | 12/934568 | PP |
| 33 | 0034NF2008/CA | NEIST | PROCESS FOR THE PREPARATION OF 4-(4-HYDROXYPHENYL)BUTAN-2-ONE FROM PHENOL AND 4-HYDROXYBUTAN-2-ONE USING SOLID ACID CLAY CATALYST (MAT. SC.) | DUTTA DIPAK KUMAR, PATHAK MADAN GOPAL | --- | 23-09-2010 | 2719274 | PP |
| 32 | 0166NF2008/US | NEIST | A NOVEL METHOD OF INDUCING CHIRALITY TO EPOXIDES USING 2,3:4,6 DI-O-ISOPROPYLIDENE -2-KETO-L-GULONIC ACID MONOHYDRATE IN LIPASE CATALYSED EPOXIDATION OF OLEFIN WITH HYDROGEN PEROXIDE (SYNTH. ORG. CHEM.) | AMRIT GOSWAMI, KULADIP SARMA, AJIT KUMAR HAZARIKA | --- | 27-11-2009 | 12/626843 | PP |
| 31 | 0091NF2006/WO | NEIST | A SIMULTANEOUS IMPROVED METHOD FOR THE PREPARATION OF 17-ACETAMIDO-3-ACETOXY-16-FORMYL-ANDROST-5,17-DIENE AND 3-ACETOXY-2'-CHLORO-5-ANDROSTENO[17,16-B]PYRIDINE (MED. CHEM.) | ROMESH CHANDRA BORUAH, MOYURIMA BORTHAKUR, MADAN GOPAL BARTHAKUR, PARUCHURI GANGADHAR RAO, SUDIP KUMAR KAR, ANNALAKSHMI CHINNIHAH, SUCHANDRA GOSWAMI, PRATAP KUMAR DAS | --- | 26-03-2009 | PCT/IN2009/000198 | PP |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|-------|---|--|----------------------------|------------------------|--------------------|------------------------|
| 30 | 0034NF2008/WO | NEIST | PROCESS FOR THE PREPARATION OF 4-(4-HYDROXYPHENYL)BUTAN-2-ONE FROM PHENOL AND 4-HYDROXYBUTAN-2-ONE USING SOLID ACID CLAY CATALYST (MAT. SC.) | DUTTA DIPAK KUMAR, PATHAK MADAN GOPAL | --- | 16-03-2009 | PCT/IN2009/000178 | PP |
| 29 | 0402NF2005/GB | NEIST | SYNTHESIS OF VANILLIN FROM AGRICULTURAL WASTE (SYNTH. ORG. CHEM.) | BORTHAKUR NALEEN | --- | 07-09-2008 | 812546 | PP |
| 28 | 0254NF2004/US | NEIST | AN IMPROVED PROCESS FOR THE PRODUCTION OF 4-HYDROXY-BUTAN-2-ONE (SYNTH. ORG. CHEM.) | DILIP KONWAR, PRANJAL GOGOI, DIPAK KUMAR DUTTA | --- | 07-07-2008 | 12/160203 | PP |
| 27 | 0384NF2005/WO | NEIST | AN IMPROVED METHOD FOR THE PREPARATION OF 16-DEHYDROPREGENOLONE ACETATE [16-DPA] FROM PSEUDODIOSGENIN DIACETATE [PDA] (SYNTH. ORG. CHEM.) | KONWAR DILIP, DAS RAM NATH | --- | 30-05-2007 | PCT/IN07/00216 | LP |
| 26 | 0385NF2005/WO | NEIST | A PROCESS FOR THE PRODUCTION OF SOME 3,4-DIHYDROPYRIMIDIN-2-ONES AND THEIR 2-THIOXI ANALOGUES CATALYZED BY TIN(IV) CHLORIDE PENTAHYDRATE AND SILVER TRIFLATE (NAT. PROD. CHEM.) | BORDOLOI MANOJBJYOTI, ROY DIPAK KUMAR | --- | 03-12-2007 | PCT/IN07/00103 | AB/ not to file PCT NP |
| 25 | 0402NF2005/US | NEIST | PROCESS FOR THE PREPARATION OF VANILLIN FROM AGRICULTURAL WASTE (SYNTH. ORG. CHEM.) | BORTHAKUR; NALEEN (JORHAT, IN) | --- | 02-12-2007 | 11/705611 | IF |
| 24 | 0402NF2005/WO | NEIST | SYNTHESIS OF VANILLIN FROM AGRICULTURAL WASTE (SYNTH. ORG. CHEM.) | BORTHAKUR NALEEN | --- | 02-12-2007 | PCT/IN07/00055 | PP |
| 23 | 0223NF2001/US | NEIST | AN IMPROVED PROCESS FOR ISOLATION OF BIOPLASTIC POLYHYDROXYBUTYRATE (PHB) FROM BACILLUS MYCOIDES RLJ B-017 (NAT. PROD. CHEM.) | MANOJBJYOTI BORDOLOI, BORNALI BORAH, PURBALI S THAKUR, JAGDISH NARAYAN NIGAM | --- | 03-05-2004 | 10/838654 | IF |
| 22 | 0223NF2001/US | NEIST | AN IMPROVED PROCESS FOR ISOLATION OF BIOPLASTIC POLYHYDROXYBUTYRATE (PHB) FROM BACILLUS MYCOIDES RLJ B-017 (NAT. PROD. CHEM.) | BORDOLOI M, BORAH B, THAKUR P, NIGAM JN | --- | 03-07-2003 | 10/613532 | IF |
| 21 | 0288NF2001/US | NEIST | A PROCESS FOR THE PREPARATION OF HYDROGEN PEROXIDE FROM HYDROGEN AND OXYGEN (SYNTH. ORG. CHEM.) | BROTHAKUR N | --- | 21-12-2001 | 10/024205 | IF |
| 20 | 0009NF2000/US | NEIST | 2-METHYLHEPTYLISONICOTINATE AND PROCESS FOR PRODUCTION THEREOF (BIOTECH DIVN.) | BORDOLOI; GOJENDRA NATH (ASSAM, IN); KUMARI; BABITA (ASSAM, IN); BORDOLOI; NABIBJYOTI (ASSAM, IN); ROY; MONOJ KANTI (ASSAM, IN); BORA; TARUN CHANDRA (ASSAM, IN) | --- | 20-12-2001 | 10/027913 | IF |
| 19 | 0118NF1994/IR | NEIST | AN IMPROVED VERTICAL SHAFT KILN USEFUL FOR MANUFACTURING CEMENT AND OTHER ALLIED PRODUCED IMPROVED VERTICAL SHAFT KILN AND CONTROLLED DISCHARGED DEVICE (GEN. ENGG.) | BORAH, UC, BARKAKATI P, KUTTA DK, BORA JJ, PHUKAN P, DEY NC, AHMED W, KALITA SC, BORDOLOIT K, BARUAH A | --- | 12-02-2001 | 38009023 | PP |
| 18 | 0116NF1994/IR | NEIST | A SEALING DEVICE (GEN. ENGG.) | DUTTA D K, AHMED W, BARKAKATI P, BORA J J, KALITA S C, BARKATAKI A, GOSWAMI PC, BORAH U C | --- | 26-11-2001 | 38009010 | IF |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|-------|--|---|----------------------------|------------------------|--------------------|--------------|
| 17 | 0223NF2001/US | NEIST | AN IMPROVED PROCESS FOR ISOLATION OF BIOPLASTIC POLYHYDROXYBUTYRATE (PHB) FROM BACILLUS MYCOIDES RLJ B-017 (NAT. PROD. CHEM.) | BORDOLOI M, BORAH B, THAKUR P, NIGAM JN | --- | 28-03-2001 | 09/820188 | AB/USPT O |
| 16 | 0027NF1994/US | NEIST | PROCESS FOR THE PREPARATION OF REFINED HARD SUGARCANE WAX HAVING IMPROVED QUALITIES FROM PRESS MUD (ANALYTICAL CHEM. DIVISION) | AMAL C. PHUKAN, COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (CSIR) | --- | 31-03-1998 | 09/052133 | IF |
| 15 | 0224NF1995/US | NEIST | PROCESS FOR THE OXIDATION OF PSEUDODIOSGENIN DIACETATE TO DIOSONE FOR THE PRODUCTION OF 16-DEHYDRO PREGNENOLONE ACETATE (SYNTH. ORG. CHEM.) | AMRIT GOSWAMI, RUMI KATAKY, RAMESH CHANDRA RASTOGI, ANIL C. GHOSH | --- | 26-03-1998 | 09/048279 | IF |
| 14 | 0160NF1994/US | NEIST | PROCESS FOR THE PREPARATION OF ALKALI SALT OF CARBOXY ALKYL CELLULOSE (CPP DIVN.) | CHOWDHURY NATH SAIKIA, TRIDIP GOSWAMI, ANIL CHANDRA GHOSH | --- | 17-01-1997 | 08/785471 | IF |
| 13 | 0116NF1994/US | NEIST | A SEALING DEVICE USEFUL FOR PROVIDING AIR-SEAL SELF CONTROLLED DISCHARGE OF PRODUCT FROM A PROCESS EQUIPMENT SUCH AS A VERTICAL SHAFT SKIN (GEN. ENGG.) | DUTTA DK, AHMED W, BARKAKATI P, BORA JJ, KALITA SC, BARKATAKI A, GOSWAMI PC, BORAH UC | --- | 06-07-1996 | 08/659959 | IF |
| 12 | 0118NF1994/US | NEIST | AN IMPROVED VERTICAL SHAFT KILN USEFUL FOR MANUFACTURING CEMENT AND OTHER ALLIED PRODUCED IMPROVED VERTICAL SHAFT KILN AND CONTROLLED DISCHARGED DEVICE (GEN. ENGG.) | UMESH CHANDRA BORAH, PRANAB BARKAKATI, DILIP KUMAR DUTTA, JAYANTA JYOTI BORA, PARAN PHUKAN, NC DEY, WAHID AHMED, SUBODH CHANDRA KALITA, DIPAK BORDOLOI, AJIT BARUAH | --- | 06-07-1996 | 08/660117 | IF |
| 11 | 0118NF1994/PE | NEIST | AN IMPROVED VERTICAL SHAFT KILN USEFUL FOR MANUFACTURING CEMENT AND OTHER ALLIED PRODUCED IMPROVED VERTICAL SHAFT KILN AND CONTROLLED DISCHARGED DEVICE (GEN. ENGG.) | BORAH UC, BARKAKATI P, DUTTA DK, BORA JJ, PHUKAN P, DEY NC, AHMED W, KALITA SC, BORDOLOI D, BARUAH A | --- | 29-03-1996 | 230 | IF |
| 10 | 0116NF1994/PE | NEIST | A SEALING DEVICE USEFUL FOR PROVIDING AIR-SEAL SELF CONTROLLED DISCHARGE OF PRODUCT FROM A PROCESS EQUIPMENT SUCH AS A VERTICAL SHAFT SKIN (GEN. ENGG.) | DUTTA DK, AHMED W, BARKAKATI P, BORA JJ, KALITA SC, BARKATAKI A, GOSWAMI PC, BORAH UC | --- | 29-03-1996 | 228 | IF |
| 9 | 0118NF1994/VN | NEIST | AN IMPROVED VERTICAL SHAFT KILN USEFUL FOR MANUFACTURING CEMENT AND OTHER ALLIED PRODUCED IMPROVED VERTICAL SHAFT KILN AND CONTROLLED DISCHARGED DEVICE (GEN. ENGG.) | BORAH UC, BARKAKATI P, DUTTA DK, BORA JJ, AHMED W, KALITA SC, BARKATAKI A, GOSWAMI PC. | --- | 27-03-1996 | S-1901/96 | IF |
| 8 | 0116NF1994/VN | NEIST | A SEALING DEVICE USEFUL FOR PROVIDING AIR-SEAL SELF CONTROLLED DISCHARGE OF PRODUCT FROM A PROCESS EQUIPMENT SUCH AS A VERTICAL SHAFT SKIN (GEN. ENGG.) | DUTTA DK, AHMED W, BARKAKATI P, BORA JJ, KALITA SC, BARKATAKI A, GOSWAMI PC, BORAH UC | --- | 27-03-1996 | S-1902/96 | IF |
| 7 | 0116NF1994/RU | NEIST | A SEALING DEVICE USEFUL FOR PROVIDING AIR-SEAL SELF CONTROLLED DISCHARGE OF PRODUCT FROM A PROCESS EQUIPMENT SUCH AS A VERTICAL SHAFT SKIN (GEN. ENGG.) | DUTTA DK, AHMED W, BARKAKATI P, BORA JJ, KALITA SC, BARKATAKI A, GOSWAMI PC, BORAH UC | --- | 26-03-1996 | 96106058 | IF |

| S. NO. | NFNO | LAB | TITLE | INVENTORS | PROV FILIN G DATE | COMP FILING DATE | APPLICATION NO. | STATUS |
|--------|---------------|-------|---|--|----------------------------|------------------------|--------------------|---------|
| 6 | 0118NF1994/RU | NEIST | AN IMPROVED VERTICAL SHAFT KILN USEFUL FOR MANUFACTURING CEMENT AND OTHER ALLIED PRODUCED IMPROVED VERTCAL SHAFT KILN AND CONTROLLED DISCHARGED DEVICE (GEN. ENGG.) | BORAH, UC, BARKAKATI P, KUTTA DK, BORA JJ, PHUKAN P, DEY NC, AHMED W, KALITA SC, BORDOLOIT K, BARUAH A | --- | 26-03-1996 | 96106057 | IF |
| 5 | 0161NF1994/US | NEIST | AN IMPROVED PROCESS FOR THE PRODUCTION OF 16-DEHYDROPREGNENOLONE ACETATE FROM DIOSGENIN (NAT. PROD. CHEM.) | CHOWDHARY PK,BORDOLI MJ,SARMAH HP,GOSWAMI PK,SHARMA RP,BARUAH AP,GHOSH AC | --- | 22-01-1996 | 08/589708 | IF |
| 4 | 2370NF0000/CA | NEIST | PROCESS FOR MAKING HIGH POLYMERIC DISPERSANTS SUITABLE FOR EFFECTING SEPARATION OF CLAYS AND OTHER MATERIALS CONTAINING ACTIVE HYDROXXL GROUPS AND THE SURFACES PRESENT IN ORES AND MINERALS (MAT. SC.) | SAIKAI TC,TIKE GK,MOYALAN JP,CHATTARAJ B,CHAKARAVARTY M,GANGULY D | --- | 01-09-1978 | 294603 | TO |
| 3 | 2370NF0000/AU | NEIST | A PROCESS FOR MAKING HIGH POLYMERIC DISPERSANTS SUITABLE FOR EFFECTING SEPARATION OF CLAYS AND OTHER MATERIALS CONTAINING ACTIVE HYDROXYL GROUPS ON THE SURFACES PRESENT IN ORES AND MINERALS (MAT. SC.) | SAIKAI TC,TIKE GK,MOYALAN JP,CHATTARAJ B,CHAKARAVARTY M,GANGULY D | --- | 03-02-1975 | 0 | LP/1985 |
| 2 | 1804NF0000/US | NEIST | IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE OF CYCLOHEXANONE-OXIME FROM CYCLOHEXANONE (SYNTH ORG. CHEM.) | VSB RAO, KW GOPINATH & MS IYENGAR | --- | 07-12-1972 | 271042 | TO/1991 |
| 1 | 1587NF0000/US | NEIST | IMPROVEMENTS IN OR RELATING TO THE NEW PROCESS FOR THE PRODUCTION OF CARBON BLACK FROM COAL (COAL DIVN.) | MS IYENGAR, R HAQUE, RK CHAKRABARTI, ML DUTTA & AK SINGH. | --- | 10-08-1971 | 170541 | TO/1990 |