(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 September 2009 (24.09.2009)

PCT

(10) International Publication Number
WO 2009/116076 A3

(51) **International Patent Classification**:
*A61K 31/44* (2006.01) *A61K 9/08* (2006.01)

(21) **International Application Number**:
PCT/IN2009/000113

(22) **International Filing Date**:
19 February 2009 (19.02.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
355/MUM/2008 19 February 2008 (19.02.2008) IN

(71) **Applicant** *(for all designated States except US)*: **M. J. BIOPHARM PVT.LTD.** [IN/IN]; 113, Jolly Maker Chambers No. 2, Nariman Point, Mumbai-400 021, Maharashtra (IN).

(72) **Inventors**: **VYAS, Ashok, Vasantray**; 26-27, Shakti Nagar Society, Gotri Road, Vadodara-390 021, Gujarat (IN). **JADHAV, Ravindra, Tukaram**; 304, Susheel Residency, Plot No. 67/1, Panvel-410 206, Maharashtra (IN). **PHAD, Subhash, Trimbak**; 202, Creative Arcade, Vijay Nagar Colony, Kukatpally, Hyderabad-500 072, Andhra Pradesh (IN).

(74) **Agent**: **MOHAN Dewan**; K. DEWAN & COMPANY, Podar Chambers, S.A. Brelvi Road, Fort, Mumbai 400 001, Maharashtra (IN).

(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17**:

— *as to the identity of the inventor (Rule 4.17(i))*

— *of inventorship (Rule 4.17(iv))*

**Published**:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) **Date of publication of the international search report**:
7 January 2010

WO 2009/116076 A3

(54) **Title**: OPHTHALMIC PREPARATION CONTAINING A PYRIDINOL DERIVATIVE

(57) **Abstract**: An ophthalmic composition comprising 3-hydroxy-2,4,6-trimethylpyridine resp. pharmaceutically acceptable salts thereof for the treatment of intraocular and macular degeneration is disclosed.

# INTERNATIONAL SEARCH REPORT

International application No.
PCT/IN 2009/000113

A. CLASSIFICATION OF SUBJECT MATTER
IPC[8]: ***A61K 31/44*** (2006.01); ***A61K 9/08*** (2006.01)
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC[8]: A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
TXTE, TXTG, registry, HCAplus, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | CA 2614857 A1 (MARVEL LIFESCIENCES LIMITED)<br>15 February 2007 (15.02.2007)<br>*claim 1*<br><br>---- | 1-17 |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

| Date of the actual completion of the international search | Date of mailing of the international search report |
|---|---|
| 28 October 2009 (28.10.2009) | 10 November 2009 (10.11.2009) |

| Name and mailing address of the ISA/ AT | Authorized officer |
|---|---|
| **Austrian Patent Office**<br>Dresdner Straße 87, A-1200 Vienna | KRENN M. |
| Facsimile No. +43 / 1 / 534 24 / 535 | Telephone No. +43 / 1 / 534 24 / 435 |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/IN 2009/000113

| Patent document cited in search report | Publication date | Patent family member(s) | | | Publication date |
|---|---|---|---|---|---|
| CA A 2614857 | | AT | T | 440819T | 2009-09-15 |
| | | US | A1 | 2009198068 | 2009-08-06 |
| | | BR | A2 | PI0520433 | 2009-05-12 |
| | | JP | T | 2009501712T | 2009-01-22 |
| | | EP | A1 | 1911746 | 2008-04-16 |
| | | CA | A1 | 2614857 | 2007-02-15 |