

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 September 2011 (15.09.2011)

PCT

(10) International Publication Number
WO 2011/111061 A2

(51) International Patent Classification:
G02B 21/18 (2006.01)

(21) International Application Number:
PCT/IN2011/000141

(22) International Filing Date:
7 March 2011 (07.03.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
627/CHE/2010 10 March 2010 (10.03.2010) IN

(72) Inventor; and

(71) Applicant : MIRLAY, Ram Srikanth [IN/IN]; 220 A,
Bellary Road, Sadashiv Nagar, Bangalore 560 080, Kar-
nataka (IN).

(74) Agent: PRABHU, Rakesh; No, 2, Lavelle Road, Banga-
lore 560 001, Karnataka (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, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AL, 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, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*

(54) Title: VARIABLE 3-DIMENSIONAL STEREOMICROSCOPE ASSEMBLY

(57) Abstract: The embodiments herein provide a variable 3-D stereomicroscope assembly. The assembly comprises a housing provided with left and right eye pieces for viewing a target object through left and right eyes respectively. A pair of telescopic arms detachably coupled to the housing through a flexible sleeve is mounted with two objective lenses for focusing a light reflected from the target object. A plurality of prisms is provided to enable a binocular vision through the left and right eye pieces simultaneously. The pair of telescopic arms are individually moved and rotated to focus on the target object. The objective lens unit includes a mechanical and an optical device unit for varying an inter-objective distance between the left and right optical path ways for focusing on the target object to increase a degree of 3-D vision.



WO 2011/111061 A2