

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 May 2006 (04.05.2006)

PCT

(10) International Publication Number
WO 2006/045599 A3

(51) International Patent Classification:

G02B 6/00 (2006.01) *G02B 27/09* (2006.01)
F21V 8/00 (2006.01) *G02B 6/32* (2006.01)

(21) International Application Number:

PCT/EP2005/011460

(22) International Filing Date: 26 October 2005 (26.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

04025632.3 28 October 2004 (28.10.2004) EP

(71) Applicant (for all designated States except AT, US): **NOVARTIS AG** [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

(71) Applicant (for AT only): **NOVARTIS PHARMA GMBH** [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HEINRICH, Axel** [DE/DE]; Beethoven Strasse 53b, 63743 Aschaffenburg (DE). **SEIFERLING, Bernhard** [DE/DE]; Dr. Wohlfahrt Strasse 6, 63773 Goldbach (DE). **GRULER, Roman** [DE/DE]; Mittelstadtstrasse 63, 78628 Rottweil (DE).

(74) Agent: **THOMSEN, Peter**; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

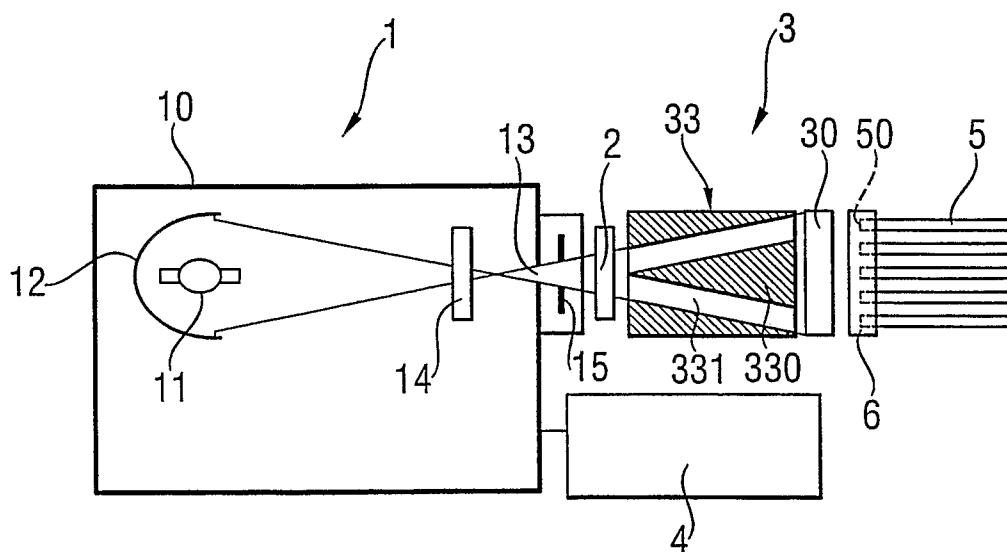
— with international search report

(88) Date of publication of the international search report:

12 October 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR THE TRANSPORT OF LIGHT EMITTED BY A SHORT-ARC LAMP



(57) Abstract: In an apparatus for the transport of the light emitted by a short-arc lamp (1) through its light outlet hole (13) to a desired location a number of light guides (5) are provided the light entry surfaces (50) of which are arranged at a predetermined location. In addition, a coupling element (3) is provided, which is arranged at a distance from the light outlet hole (13) of the short-arc lamp (1) and between the light outlet hole (13) and the light entry surfaces (50) of the light guides (5). The coupling element (3) is designed such that it collects the emitted light and couples it into the light guides (5) through the light entry surfaces (50) of the light guides (5).

WO 2006/045599 A3