



(51) International Patent Classification:

F21V 8/00 (2006.01) *G02B 6/28* (2006.01)
F21V 7/00 (2006.01) *G02B 6/42* (2006.01)

(21) International Application Number:

PCT/US2009/039057

(22) International Filing Date:

1 April 2009 (01.04.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/049,083 30 April 2008 (30.04.2008) US

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(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 applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

(54) Title: LIGHTING SYSTEM AND LIGHT INJECTION COUPLER THEREFOR

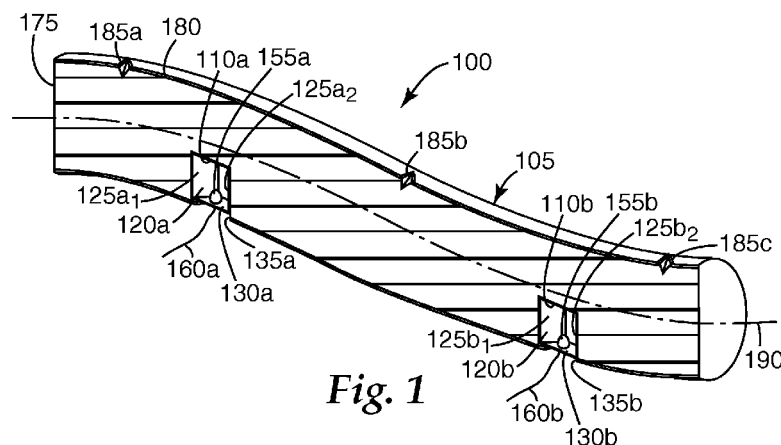


Fig. 1

(57) Abstract: A lighting system has one or more light guides capable of guiding light, each comprising a core and two optically smooth faces. A cavity adjacent to two of the optically smooth faces has an opening and a reflective-transmissive surface opposite the opening. A cover having a light source is proximate to and occludes the opening. A major portion of any light emitted from the light source is reflected by the reflective-transmissive surface of the cavity and is injected into the light guides, and a minor portion of any light emitted by the light source is transmitted through the reflective-transmissive surfaces of the cavity and emitted from the lighting system. A light injection coupler is also disclosed that has an optically transmissive housing and suitable for use to couple ends of at least one light guide thereby making a lighting system.