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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 August 2006 (24.08.2006)

PCT

(10) International Publication Number
WO 2006/088808 A1

(51) International Patent Classification:
B60S 1/38 (2006.01) *B60S 1/46* (2006.01)
B60S 1/40 (2006.01)

(21) International Application Number:
PCT/US2006/005064

(22) International Filing Date:
14 February 2006 (14.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/652,807 14 February 2005 (14.02.2005) US
11/351,494 10 February 2006 (10.02.2006) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 11/351,494 (CON)
Filed on 10 February 2006 (10.02.2006)

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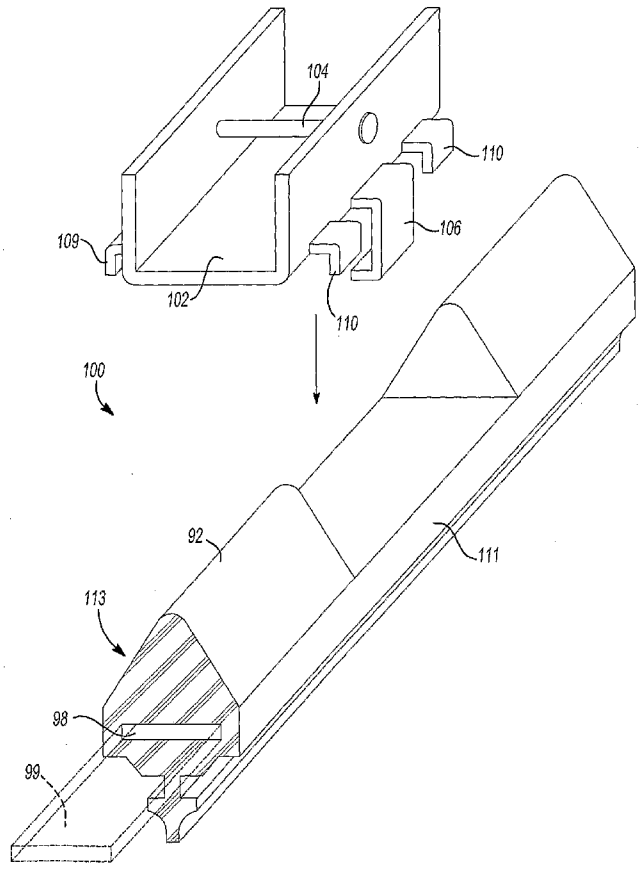
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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

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(54) Title: ENCAPSULATED BEAM WITH ANTI-ROTATION SYSTEM



(57) Abstract: An improved windshield wiper blade assembly, having a resilient windscreen wiping element and further comprising a longitudinal passage there through. A support beam having a predetermined curvature and shape is positioned there within the passage having a generally complementary cross section to the longitudinal passage, preventing the rotational twisting of the resilient element around the beam. A further embodiment comprises a longitudinal fluid passage along the support beam in fluid connection to a windshield fluid supply. A plurality of apertures through the resilient member in connection with the fluid passage provide for the selective discharge of the fluid upon the windscreen. Still a further embodiment comprises a wind deflector portion running at least partially along the resilient member for enhanced prevention of any twisting of the resilient member around the beam, and increased downward force of the wiper assembly against the windscreen.

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KG, KM, KN, 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, 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*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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