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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 August 2009 (06.08.2009)

PCT

(10) International Publication Number
WO 2009/095760 A1

(51) International Patent Classification:
A61M 39/10 (2006.01) *A61M 39/26* (2006.01)

(21) International Application Number:
PCT/IB2009/000126

(22) International Filing Date: 23 January 2009 (23.01.2009)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
TO2008A000059 29 January 2008 (29.01.2008) IT

(71) Applicant *(for all designated States except US)*: **INDUSTRIE BORLA S.P.A.** [IT/IT]; Via G. Di Vittorio, 7bis, I-10024 Moncalieri (Torino) (IT).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **GUALA, Gianni** [IT/IT]; Strada Villa Zanetti, 28/18, I-10133 Torino (IT).

(74) Agent: **BUZZI, Franco**; Buzzi, Notaro & Antonielli d'Oulx S.r.l., Via Maria Vittoria, 18, I-10123 Torino (IT).

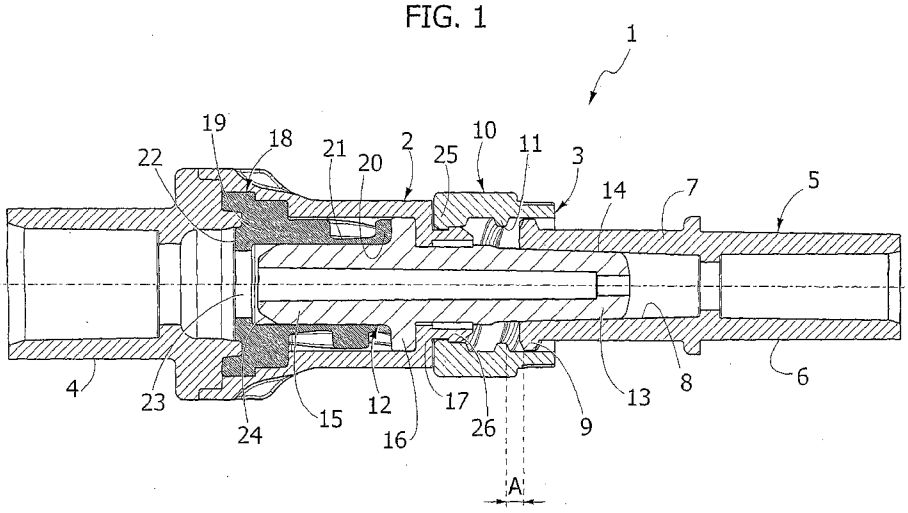
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM,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

Published:
— *with international search report*

(54) **Title:** VALVE CONNECTOR FOR MEDICAL LINES

FIG. 1



(57) **Abstract:** A valve connector (1) for medical lines comprising a tubular body (2) having a male inlet fitting (3) with external luer cone (14), which can be coupled to a female tubular fitting (5) with internal luer cone (8), wherein the inlet fitting (3) comprises an internally threaded external tubular element (10) for screwed engagement with the female fitting (5), and an internal tubular element (12) that can be displaced axially from a retracted position of closing to an advanced position of opening of the valve means that control the passage of flow through the connector (1). The internally threaded external tubular element (10) is free to turn, and the arrangement is such that, when it is screwed off the female fitting (5) and the passage of flow is closed by the valve means, the external luer cone (14) and the internal luer cone (8) remain axially coupled to one another by friction.

WO 2009/095760 A1