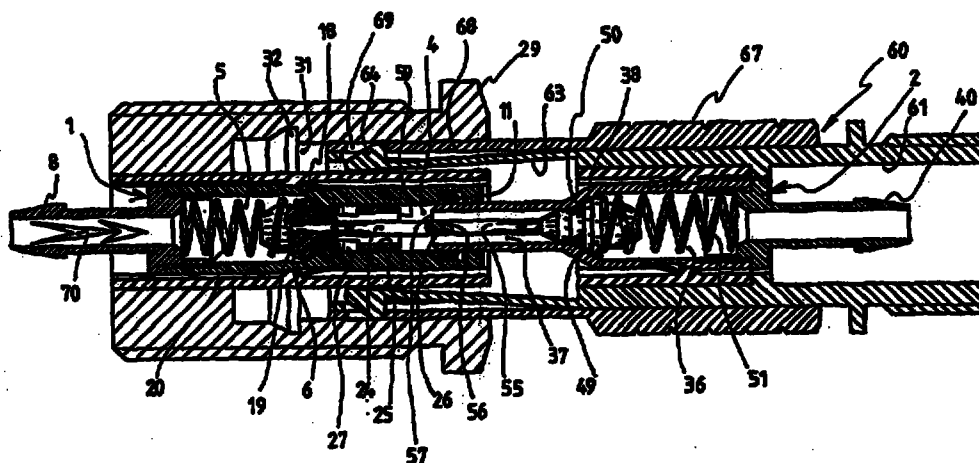




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : F16L 37/00, 37/30, 37/32	A1	(11) International Publication Number: WO 99/04191 (43) International Publication Date: 28 January 1999 (28.01.99)
(21) International Application Number: PCT/EP98/04113 (22) International Filing Date: 3 July 1998 (03.07.98) (30) Priority Data: 97112309.6 17 July 1997 (17.07.97) EP (71) Applicant (for all designated States except US): INTERLEMO HOLDING S.A. [CH/CH]; Grabenstrasse 15, CH-7000 Coire (CH). (72) Inventor; and (75) Inventor/Applicant (for US only): VULLIET, François [FR/FR]; Les Fleysets, F-74200 Allinges (FR). (74) Agent: MISRACHI, Alfred; Chemin de la Plantaz 15, CH-1024 Ecublens (CH).	(81) Designated States: AU, CA, CN, IL, JP, KR, NO, RU, SG, US. Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	

(54) Title: CONNECTOR SYSTEM



(57) Abstract

The connector system comprises an upstream tubular body (1) capable of being connected to a pressurized-fluid line and in which there is placed a first shutter (18) bearing against a seat (6) under the action of a spring (20) upstream of the shutter. A downstream tubular body (2), that can be plugged into the upstream tubular body (1) and is capable of being connected to a line receiving the pressurized fluid, contains a second shutter (49) bearing against a seat (38) under the action of a spring (51) downstream of this shutter and of spring force equal to or less than that of the spring (20). A push-rod (24) and a tubular wall (25) which are fixed to the first shutter (18) downstream thereof interact with a push-rod (55) fixed to the second shutter (49) upstream thereof and with an upstream edge (57) of the downstream tubular body (2). The upstream tubular body (1) is mounted in a socket (29) provided with a counterbore (31) and with a catching groove (32). The downstream tubular body (2) is housed in a plug (60) capable of being introduced into the counterbore (31) and provided with elastic tabs (63) with teeth (64) for clipping into the catching groove (32). An operating ring (67) that can move along the plug (60) comprises openings (69) forming ramps for withdrawing the clip-in teeth (64) from the catching groove (32).