

Title (en)
Pressure converting device.

Title (de)
Druckverstärkungseinrichtung.

Title (fr)
Dispositif de conversion de pression.

Publication
EP 0435196 A1 19910703 (EN)

Application
EP 90125101 A 19901221

Priority
JP 15133189 U 19891226

Abstract (en)
This pressure converting device comprises a primary cylinder (1); a secondary cylinder (2) disposed in line with and joined to the primary cylinder (1), a low-pressure-side piston (7) reciprocally fitted in the primary cylinder (1), a high-pressure-side piston (9) reciprocally fitted in the secondary cylinder (2), a piston rod (8) coaxially mounting the low-pressure-side piston and the high-pressure-side piston, a pilot-operated directional control valve (6) provided on a rear cover to supply the working fluid alternately to the front and rear chambers (A,B) of the primary cylinder (1), a pilot valve (5) for operating the directional control valve (6), and a shifting rod (11) for operating the pilot valve (5) which is connected to the rear piston rod (10) extending rearwardly from the low-pressure-side piston (7) and is concentrically accommodated in the pilot valve (5). Due to such construction, the diameter and the length of the primary cylinder (1) can be minimized thus making the pressure converting device extremely compact. <IMAGE>

IPC 1-7
F15B 3/00

IPC 8 full level
F04B 9/105 (2006.01); **F04B 9/113** (2006.01); **F15B 3/00** (2006.01)

CPC (source: EP)
F15B 3/00 (2013.01)

Citation (search report)
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