

Title (en)

FLUID PRESSURE INTENSIFYING APPARATUS

Title (de)

VORRICHTUNG ZUR FLÜSSIGKEITSDRUCKVERSTÄRKUNG

Title (fr)

APPAREIL MULTIPLICATEUR DE PRESSION DE FLUIDE

Publication

EP 0644984 B1 19971015 (EN)

Application

EP 93908356 A 19930312

Priority

- CA 2135613 A 19930312
- US 9302379 W 19930312

Abstract (en)

[origin: WO9420754A1] A fluid pressure-intensifying apparatus of the double-acting type has end check valve assemblies (25, 25a). Each assembly has an inner low pressure poppet (100) communicable with the high pressure chamber (30) of the apparatus, and an outer high pressure ball poppet (110) communicable with a high pressure fluid outlet line (57). The check valve assembly (25) is designed for service accessibility without having to dismantle the intensifier. The apparatus includes a cylindrical housing (10) within which low and high pressure piston assemblies (28, 30, 30a) are confined by threaded end rings (12, 12a) under compression.

IPC 1-7

F04B 17/00; **F04B 53/00**; **F16K 15/00**; **F04B 53/10**

IPC 8 full level

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