

Title (en)
ROTARY PRESSURE INTENSIFIER

Publication
EP 0233771 A3 19890308 (EN)

Application
EP 87301327 A 19870217

Priority
US 82991986 A 19860218

Abstract (en)
[origin: EP0233771A2] A pressure intensifier for a fluid comprises at least three piston assemblies disposed along mutually parallel axes equiangularly disposed with respect to a central axis of the intensifier and radially equidistant therefrom. Each piston assembly comprises at least one low pressure cylinder and a pair of axially aligned and opposed high pressure cylinders, each high pressure piston being connected to the low pressure piston for conjoint axial movement therewith. Fluid is supplied to the low pressure cylinders from a supply means and discharged to a discharge means through a low pressure valve means operatively coupled to the pistons of each assembly so as to be driven thereby. High pressure collector means, usefully in the form of a closed circuit, are provided for receiving high pressure fluid from the high pressure cylinders.

IPC 1-7
F04B 1/16; **F04B 9/10**

IPC 8 full level
F04B 27/14 (2006.01); **F04B 9/111** (2006.01); **F04B 25/04** (2006.01)

CPC (source: EP)
F04B 9/1115 (2013.01)

Citation (search report)
• [Y] DE 3101694 A1 19820805 - HAMMELMANN PAUL
• [Y] DE 1135609 B 19620830 - BORSIG AG
• [A] GB 2074664 A 19811104 - HAMMELMAN P
• [A] GB 767325 A 19570130 - IMO INDUSTRI AB
• [A] FR 1441747 A 19660610 - POMPE D K M SA
• [A] EP 0085725 A1 19830817 - BRAN & LUEBBE [DE]

Designated contracting state (EPC)
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