

Title (en)
PUMP OR MOTOR WITH A FLEXIBLE DIAPHRAGM

Publication
EP 0098679 A3 19840321 (EN)

Application
EP 83301570 A 19830321

Priority
• GB 8208483 A 19820323
• GB 8235023 A 19821208

Abstract (en)
[origin: EP0098679A2] A material handing device such as a pump or motor including a substantially longitudinally inextensible diaphragm clamped around its periphery between upper and lower housing parts, the lower housing part having an internal surface forming, together with the diaphragm the chamber of the device. A deflector assembly including at least three rollers is mounted in bearings which in turn are mounted, preferably pivotally, on the lower housing part so as to be readily releasable to enable the diaphragm to be changed. The upper housing part may be provided with a casing which can be pressurized to a pressure intermediate the inlet and outlet pressures of the device.

IPC 1-7
F01B 19/02; **F04B 43/14**

IPC 8 full level
F01B 19/02 (2006.01); **F04B 43/14** (2006.01)

CPC (source: EP)
F01B 19/02 (2013.01); **F04B 43/14** (2013.01)

Citation (search report)
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• [A] GB 612604 A 19481116 - REGINALD CLARENCE FORD
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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

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EP 83301570 A 19830321; AU 1244583 A 19830315; BR 8301423 A 19830321; DK 130183 A 19830322; ES 520829 A 19830322; ES 526590 A 19831020; ES 526591 A 19831020; ES 526592 A 19831020; ES 526593 A 19831020; NO 831014 A 19830322