

Title (en)
PUMP PUMP

Publication
EP 0200026 A3 19870304 (DE)

Application
EP 86104612 A 19860404

Priority
• AT 32486 A 19860210
• AT 116085 A 19850417
• AT 231285 A 19850807

Abstract (en)
[origin: US4735557A] A pump for conveying a viscous medium, comprising a feed hose in the pump housing, a support wall extending along the feed hose and supporting the feed hose in the housing, pressure rolls mounted for movement along the feed hose diametrically opposite the support wall and arranged to compress the feed hose between the support wall and a respective pressure roll as the pressure roll moves along the feed hose whereby the feed hose is successively deformed from a normal, expanded shape to a compressed, flattened shape and the viscous medium therein is conveyed from a suction to the output end of the feed hose, and a centering device engaging the feed hose at its periphery for holding the feed hose in alignment with the support wall and for returning the feed hose from the compressed to the normal shape after the pressure roll has passed, the centering device including resiliently yielding support elements mounted in the housing and arranged at both sides of the feed hose, the support wall and the pressure roll diametrically opposed to each other and exerting a radial thrust against the feed hose in a plane defined by the feed hose in the compressed, flattened shape, the support elements being yieldingly retracted by the flattened feed hose as it is compressed by the passing pressure roll into the flattened shape.

IPC 1-7
F04B 43/12; **F04B 15/02**

IPC 8 full level
F04B 15/02 (2006.01); **F04B 43/12** (2006.01)

CPC (source: EP US)
F04B 15/02 (2013.01 - EP US); **F04B 43/1223** (2013.01 - EP US)

Citation (search report)
• [X] US 3712762 A 19730123 - KENNEY C
• [A] FR 2537220 A1 19840608 - SERMEM SA [CH]

Cited by
US5380172A; EP0378437A3

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0200026 A2 19861105; **EP 0200026 A3 19870304**; US 4735557 A 19880405

DOCDB simple family (application)
EP 86104612 A 19860404; US 85027786 A 19860410