

Title (en)
POWER DEVICE

Publication
EP 0211137 A3 19870603 (DE)

Application
EP 86103294 A 19860312

Priority
DE 3519565 A 19850531

Abstract (en)
[origin: ES8705582A1] A driving apparatus for producing a to-and-fro movement and having four plunger cylinders and four external non-return valves. Such driving apparatus is distinguished by a particularly simple construction.

IPC 1-7
F15B 11/22

IPC 8 full level
F15B 11/22 (2006.01)

CPC (source: EP US)
F15B 11/22 (2013.01 - EP US)

Citation (search report)

- [Y] DE 1213248 B 19660324 - FRORIEP GMBH MASCHF
- [Y] DE 1812208 A1 19691218 - WHITEMAN MFG COMPANY
- [A] DE 2936264 A1 19810319 - DAUTEL EMIL GMBH CO KG
- [A] FR 2380218 A1 19780908 - KEMPF & CO AG [CH]

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
DE 3519565 A1 19861204; BR 8601711 A 19861216; EP 0211137 A2 19870225; EP 0211137 A3 19870603; ES 555481 A0 19870501; ES 8705582 A1 19870501; US 4681021 A 19870721; ZA 862111 B 19861126

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DE 3519565 A 19850531; BR 8601711 A 19860416; EP 86103294 A 19860312; ES 555481 A 19860529; US 86044486 A 19860507; ZA 862111 A 19860321