

Title (en)
Cylinder assembly

Title (de)
Zylindereinheit

Title (fr)
Ensemble de cylindre

Publication
EP 0717200 A3 19980708 (DE)

Application
EP 95116659 A 19951023

Priority
DE 4445145 A 19941217

Abstract (en)
[origin: EP0717200A2] The piston rod (11) is movable in relation to the piston (6). The mobility of the piston rod in the direction of the pressure exerted on the surface (15) of the piston is restricted by stop pieces (16,18) on the piston and piston rod. The stop pieces are pre-tensioned with pre-set force at least partially by a pre-tensioning spring (14). The piston rod penetrates the piston and has a stop piece (18) opposite the piston surface acting partly as a piston-side stop piece.

IPC 1-7
F15B 15/14

IPC 8 full level
F15B 15/14 (2006.01)

CPC (source: EP)
F15B 15/148 (2013.01)

Citation (search report)

- [X] DE 2128982 A1 19730104 - DEMAG AG
- [A] DE 2143712 A1 19730308 - WESTINGHOUSE BREMSEN APPARATE

Cited by
EP3450772B1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0717200 A2 19960619; EP 0717200 A3 19980708; EP 0717200 B1 20021120; DE 4445145 A1 19960620; DE 59510465 D1 20030102

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