

Title (en)
Piston-cylinder type actuator

Title (de)
Zylinder-Kolben-Stelleinrichtung

Title (fr)
Vérin à cylindre et piston

Publication
EP 0508973 B2 19990922 (EN)

Application
EP 92850083 A 19920410

Priority
SE 9101083 A 19910411

Abstract (en)
[origin: EP0508973A1] In a piston-cylinder type actuator, at least one cylinder end wall (13, 14) is rigidly mounted to the cylinder tube (10) by being at least partly introduced into the cylinder tube (10) and provided with at least one peripheral groove (33, 34) which is engaged by one or more lock lugs (35, 36) formed by plastic deformation of the cylinder tube (10) simultaneously with the introduction of the end wall (13, 14) into the cylinder tube (10). <IMAGE>

IPC 1-7
F16J 10/02; F15B 15/14

IPC 8 full level
F15B 15/14 (2006.01)

CPC (source: EP)
F15B 15/1438 (2013.01)

Cited by
DE4433649A1; DE19603384A1; DE4414583A1; DE19537038A1; DE19537038B4

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0508973 A1 19921014; EP 0508973 B1 19960717; EP 0508973 B2 19990922; DE 69212197 D1 19960822; DE 69212197 T2 19970306; DE 69212197 T3 20000525; SE 468326 B 19921214; SE 9101083 D0 19910411; SE 9101083 L 19921012

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EP 92850083 A 19920410; DE 69212197 T 19920410; SE 9101083 A 19910411