

Title (en)  
Clamping cylinder with compact construction

Title (de)  
Spannzylinder in Kompaktbauweise

Title (fr)  
Cylindre de serrage à construction compacte

Publication  
**EP 1621289 A2 20060201 (DE)**

Application  
**EP 05105828 A 20050629**

Priority  
DE 102004036915 A 20040729

Abstract (en)  
The clamping cylinder (10) comprises a first piston (12) axially movable inside a housing (11) and designed as a hollow element. The housing (11), serving as the linear guide for the piston (12), is fitted with two connecting points (13, 14) for oil ducts (15, 16). Two piston chambers (18, 19) are formed inside the hollow space by a second piston (20) stationary joined to the housing (11) and serving as a stop element for the first piston (12) when it is moved into an extended position.

IPC 8 full level  
**B25B 5/06** (2006.01)

CPC (source: EP)  
**B25B 5/061** (2013.01); **F15B 15/1466** (2013.01)

Cited by  
KR20190109462A; CN110418693A; JPWO2018186136A1; US11110560B2; WO2018186136A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1621289 A2 20060201**; **EP 1621289 A3 20060412**; DE 102004036915 A1 20060323

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