

Title (en)

Cylinder pertaining to a folder, comprising a cylinder body and at least one gripper

Title (de)

Zylinder eines Falzapparates mit einem Zylinderkörper und wenigstens einem Greifer

Title (fr)

Cylindre plieur avec un corps cylindrique et au moins un dispositif de préhension

Publication

EP 1712499 A1 20061018 (DE)

Application

EP 05110796 A 20040923

Priority

- EP 04766842 A 20040923
- DE 10344950 A 20030927

Abstract (en)

Cylinder (01) has axes (21, 24) arranged so that they are fixed in relation to the cylinder. Preferred Features: The first axis (21) is supported by a first arm (19) which pivots about the second axis fixed to the cylinder body to drive the radial inward movement of the first axis. The pivoting movement of a gripping device (02) and the radial movement of the first axis are coupled so that the first axis move radially inward in the end phase of the pivoting movement.

IPC 8 full level

B65H 5/14 (2006.01); **B65H 45/16** (2006.01); **B65H 45/28** (2006.01)

CPC (source: EP US)

B65H 45/162 (2013.01 - EP US); **B65H 45/165** (2013.01 - EP US); **B65H 45/28** (2013.01 - EP US); **B65H 2403/512** (2013.01 - EP US)

Citation (search report)

- [A] EP 1203742 A1 20020508 - KOMORI PRINTING MACH [JP]
- [A] US 5004451 A 19910402 - PRUEM SEBASTIAN [DE]
- [AD] US 5429578 A 19950704 - CALBRIX JEAN-CLAUDE [FR], et al
- [A] GB 1214339 A 19701202 - ALBERT SCHNELLPRESSEN [DE]
- [A] US 5484379 A 19960116 - STAEB RUDOLF [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

WO 2005032989 A1 20050414; AT E367990 T1 20070815; AT E369309 T1 20070815; CN 100450903 C 20090114; CN 101353123 A 20090128; CN 101353123 B 20120523; CN 1835883 A 20060920; DE 10344950 A1 20050428; DE 502004004469 D1 20070906; DE 502004004597 D1 20070920; EP 1678066 A1 20060712; EP 1678066 B1 20070808; EP 1712499 A1 20061018; EP 1712499 B1 20070725; ES 2286765 T3 20071201; ES 2289550 T3 20080201; JP 2006524617 A 20061102; JP 4074649 B2 20080409; RU 2006114065 A 20071120; RU 2340539 C2 20081210; US 2007042888 A1 20070222; US 7422553 B2 20080909

DOCDB simple family (application)

EP 2004052282 W 20040923; AT 04766842 T 20040923; AT 05110796 T 20040923; CN 200480023368 A 20040923; CN 200810144891 A 20040923; DE 10344950 A 20030927; DE 502004004469 T 20040923; DE 502004004597 T 20040923; EP 04766842 A 20040923; EP 05110796 A 20040923; ES 04766842 T 20040923; ES 05110796 T 20040923; JP 2006500128 A 20040923; RU 2006114065 A 20040923; US 57357404 A 20040923