

Title (en)
CYLINDER DRIVE

Title (de)
ZYLINDERANTRIEB

Title (fr)
ENTRAINEMENT DE CYLINDRE

Publication
EP 0921946 B2 20040331 (DE)

Application
EP 97936583 A 19970801

Priority
• DE 9701632 W 19970801
• DE 19632292 A 19960809
• DE 19648413 A 19961122

Abstract (en)
[origin: WO9806581A1] The proposed cylinder (2) may be adjusted through an eccentric bush (7) and is directly driven by an electric motor (11) mounted directly on said eccentric bush. A clutch (12) is inserted between the electric motor and the cylinder.

IPC 1-7
B41F 13/004

IPC 8 full level
B41F 13/00 (2006.01); **B41F 13/004** (2006.01); **B41F 13/20** (2006.01); **H02K 7/00** (2006.01)

CPC (source: EP US)
B41F 13/0045 (2013.01 - EP US); **B41P 2213/126** (2013.01 - EP US); **B41P 2213/25** (2013.01 - EP US)

Citation (opposition)
Opponent :
• DE 4429460 A1 19960222 - KBA PLANETA AG [DE]
• CH 452288 A 19680531 - MASCHF AUGSBURG NUERNBERG AG [DE]
• EP 0669208 A1 19950830 - WARD HOLDING CO [US]
• DE 19646135 A1 19970626 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by
WO2004110760A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 9806581 A1 19980219; DE 59701665 D1 20000615; EP 0921946 A1 19990616; EP 0921946 B1 20000510; EP 0921946 B2 20040331; JP 2000502627 A 20000307; JP 3357074 B2 20021216; US 6118195 A 20000912

DOCDB simple family (application)
DE 9701632 W 19970801; DE 59701665 T 19970801; EP 97936583 A 19970801; JP 50928298 A 19970801; US 14759399 A 19990129