

Title (en)
HYDROPNEUMATIC MACHINE TOOL

Title (de)
HYDROPNEUMATISCHE WERKZEUGMASCHINE

Title (fr)
MACHINE-OUTIL HYDROPNEUMATIQUE

Publication
EP 0828942 B1 20000809 (DE)

Application
EP 97920528 A 19970319

Priority
• DE 9700559 W 19970319
• DE 19610726 A 19960319

Abstract (en)
[origin: WO9735114A1] A machine tool is proposed which operates with a hydropneumatic pressure intensifier whose step piston (1) is braked hydraulically in particular towards the end of its stroke by forcing hydraulic fluid from a braking cavity (35) formed during the stroke via a choke point.

IPC 1-7
F15B 11/032; F15B 11/072; F15B 11/076; F15B 15/22; B30B 15/16

IPC 8 full level
B30B 15/16 (2006.01); **F15B 11/032** (2006.01); **F15B 11/072** (2006.01); **F15B 11/076** (2006.01); **F15B 15/22** (2006.01)

CPC (source: EP US)
B30B 15/161 (2013.01 - EP US); **F15B 11/0325** (2013.01 - EP US); **F15B 11/076** (2013.01 - EP US); **F15B 2211/216** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US); **F15B 2211/775** (2013.01 - EP US)

Cited by
DE102008013374B4; DE102008013374A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
WO 9735114 A1 19970925; DE 19780220 D2 19980319; DE 59702132 D1 20000914; EP 0828942 A1 19980318; EP 0828942 B1 20000809; US 5943862 A 19990831

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DE 9700559 W 19970319; DE 19780220 T 19970319; DE 59702132 T 19970319; EP 97920528 A 19970319; US 95294698 A 19980305