

Title (en)
Rolling machine

Title (de)
Walzmaschine

Title (fr)
Machine de laminage

Publication
EP 2340898 A3 20131127 (DE)

Application
EP 11162489 A 20040129

Priority
• EP 04001862 A 20040129
• DE 10309536 A 20030304
• DE 10319258 A 20030428

Abstract (en)
[origin: DE10319258A1] A rolling mill with a new process control has work pieces forged between two profiled rollers. The speed and position is controlled on at least one roller with the rolling speed controlled w.r.t. the position of the work piece. The process cycle comprises a positioning phase at a slow speed, a rolling phase at a higher speed and a final phase in which the work piece is returned at a slower speed.

IPC 8 full level
B21B 1/16 (2006.01); **B21B 37/58** (2006.01); **B21H 1/00** (2006.01); **B21H 1/18** (2006.01); **B21H 1/20** (2006.01); **B21B 31/04** (2006.01); **B21B 31/08** (2006.01); **B21B 35/00** (2006.01); **B21B 35/14** (2006.01); **B21B 37/46** (2006.01)

CPC (source: EP)
B21B 37/58 (2013.01); **B21H 1/00** (2013.01); **B21H 1/18** (2013.01); **B21B 31/04** (2013.01); **B21B 31/08** (2013.01); **B21B 35/00** (2013.01); **B21B 35/141** (2013.01); **B21B 37/46** (2013.01)

Citation (search report)
• [XA] US 2038783 A 19360428 - JOSEF GASSEN
• [XA] JP H10235416 A 19980908 - TOSHIBA F A SYSTEM ENG, et al
• [A] US 2001039820 A1 20011115 - SHINBUTSU TOSHINAKA [JP], et al
• [A] EP 0108557 A2 19840516 - KENNECOTT CORP [US]
• [A] JP H02182339 A 19900717 - KOBE STEEL LTD
• [A] FR 1426815 A 19660128 - ZENTRALE ENTWICKLUNG KONSTRUKT
• [A] CN 2060698 U 19900822 - DANDONG 518 INTERNAL COMBUSTIO [CN]

Designated contracting state (EPC)
CZ DE FR IT

DOCDB simple family (publication)
DE 10316249 A1 20040923; **DE 10316249 B4 20100415**; CN 100467146 C 20090311; CN 1806953 A 20060726; DE 10319258 A1 20040923; DE 10319258 B4 20060316; DE 10362061 B4 20131017; EP 1782896 A2 20070509; EP 1782896 A3 20140212; EP 1782896 B1 20161214; EP 2340898 A2 20110706; EP 2340898 A3 20131127; EP 2340898 B1 20161102

DOCDB simple family (application)
DE 10316249 A 20030408; CN 200610007409 A 20040303; DE 10319258 A 20030428; DE 10362061 A 20030428; EP 07004135 A 20040211; EP 11162489 A 20040129