

Title (en)

Strand withdrawing apparatus

Title (de)

Vorrichtung zum Ausziehen eines Stranges

Title (fr)

Appareil pour l'extraction d'une barre

Publication

EP 0875316 A3 19990922 (DE)

Application

EP 98250112 A 19980327

Priority

DE 19717914 A 19970424

Abstract (en)

[origin: EP0875316A2] The apparatus serves for extraction of billets, in particular, from a continuous casting mould. It incorporates two driven rolls (1, 4) which contact the billet on two opposite sides. These rolls are movable towards and away from one another, and can be pressed against the billet surfaces via their bearing blocks. By means of a tension member (3) each bearing block of a roll (1) is connected to a spindle or gearwheel transmission unit or a piston and cylinder unit (3) whose other member (7) is connected to the bearing blocks of the roll (4).

IPC 1-7

B22D 11/128

IPC 8 full level

B22D 11/128 (2006.01)

CPC (source: EP US)

B22D 11/128 (2013.01 - EP US)

Citation (search report)

- [A] DE 744229 C 19440112 - FRIES SOHN J S
- [A] EP 0545104 A2 19930609 - SCHLOEMANN SIEMAG AG [DE]

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6062295 A 20000516; AT E223271 T1 20020915; DE 19717914 A1 19981029; DE 19717914 C2 19990512; DE 59805371 D1 20021010; EP 0875316 A2 19981104; EP 0875316 A3 19990922; EP 0875316 B1 20020904; JP 3770520 B2 20060426; JP H10296411 A 19981110

DOCDB simple family (application)

US 6535398 A 19980423; AT 98250112 T 19980327; DE 19717914 A 19970424; DE 59805371 T 19980327; EP 98250112 A 19980327; JP 12821698 A 19980422