

Title (en)

CONTINUOUS HOT ROLLING FACILITY

Title (de)

EINRICHTUNG ZUM KONTINUIERLICHEN WARMWALZEN

Title (fr)

INSTALLATION DE LAMINAGE A FROID EN CONTINU

Publication

EP 1547700 A4 20060329 (EN)

Application

EP 02807895 A 20020930

Priority

- JP 0210193 W 20020930
- JP 2001236261 A 20010803

Abstract (en)

[origin: WO2004030841A1] A continuous hot rolling facility comprising a front stage having a mill of a plurality of stands, and a rear stage having a mill of a plurality of stands disposed on the downstream side of the front stage in the flow direction of a rolling material. The mill of two or more stands in the rear stage is a deformed roll mill or a roll mill of extremely small diameter. Each deformed roll mill or roll mill of extremely small diameter of two or more stands in the rear stage has a drive motor of larger capacity than that of a drive motor for the mill of any stand on the upstream side. The facility is suitable for production of a fine grained hot rolled steel plate and excellent in plate passing performance (meandering prevention) and plate shape.

IPC 1-7

B21B 1/26

IPC 8 full level

B21B 1/22 (2006.01); **B21B 1/26** (2006.01); **B21B 13/14** (2006.01); **B21B 35/04** (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP)

B21B 1/26 (2013.01); **B21B 45/0233** (2013.01); **B21B 13/142** (2013.01); **B21B 35/04** (2013.01); **B21B 45/0218** (2013.01); **B21B 2267/06** (2013.01); **B21B 2267/065** (2013.01); **B21B 2273/04** (2013.01); **B21B 2275/10** (2013.01); **B21B 2275/12** (2013.01)

Citation (search report)

- [A] EP 1033182 A1 20000906 - KAWASAKI HEAVY IND LTD [JP], et al
- [A] EP 0615793 A2 19940921 - HITACHI LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01 14 January 2003 (2003-01-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 360 (M - 645) 25 November 1987 (1987-11-25)
- See references of WO 2004030841A1

Cited by

US5501911A

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

WO 2004030841 A1 20040415; AU 2002335476 A1 20040423; AU 2002335476 A8 20040423; CN 1599648 A 20050323; EP 1547700 A1 20050629; EP 1547700 A4 20060329; JP 2003048001 A 20030218; JP 3413181 B2 20030603

DOCDB simple family (application)

JP 0210193 W 20020930; AU 2002335476 A 20020930; CN 02823926 A 20020930; EP 02807895 A 20020930; JP 2001236261 A 20010803