

Title (en)
Rolling mill

Title (de)
Walzwerk

Title (fr)
Laminoir

Publication
EP 0967024 A3 20020327 (DE)

Application
EP 99250148 A 19990506

Priority
DE 19830033 A 19980626

Abstract (en)
[origin: DE19830033C1] Each slidable roll of the pair (1, 2) takes the form of a hollow roll whose cavity (4, 5) is rotationally symmetric about the longitudinal roll axis (6), and is asymmetric about an imaginary cross plane (7) cutting the roll axis (6) at the midpoint of the roll cylinder. The two rolls (1, 2) have identical cavities whose positions have been reversed relative to the roll body.

IPC 1-7
B21B 27/05; **B21B 27/02**

IPC 8 full level
B21B 37/00 (2006.01); **B21B 27/02** (2006.01); **B21B 27/05** (2006.01); **B21B 37/32** (2006.01); **B21B 37/42** (2006.01); **B21B 13/14** (2006.01); **B21B 27/08** (2006.01)

CPC (source: EP US)
B21B 27/02 (2013.01 - EP US); **B21B 27/05** (2013.01 - EP US); **B21B 13/142** (2013.01 - EP US); **B21B 2027/083** (2013.01 - EP US)

Citation (search report)

- [XA] US 5347837 A 19940920 - GINZBURG VLADIMIR B [US]
- [DA] GB 268705 A 19270407 - PAUL DAMIRON
- [XA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 474 (M - 1319) 2 October 1992 (1992-10-02)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 314 (M - 1621) 15 June 1994 (1994-06-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08 30 June 1998 (1998-06-30)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 19830033 C1 19990708; CN 1139441 C 20040225; CN 1246394 A 20000308; DE 59908689 D1 20040408; EP 0967024 A2 19991229; EP 0967024 A3 20020327; EP 0967024 B1 20040303; JP 2000024702 A 20000125; JP 4335362 B2 20090930; US 6053021 A 20000425

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DE 19830033 A 19980626; CN 99108485 A 19990617; DE 59908689 T 19990506; EP 99250148 A 19990506; JP 17814399 A 19990624; US 34483499 A 19990625