

Title (en)

METHOD OF ROLLING DEFORMED BAR AND ROLL FOR DEFORMED BAR

Title (de)

VERFAHREN ZUM WALZEN VON VERFORMTEN STALSMATERIAL UND WALZE FÜR VERFORMTES STABMATERIAL

Title (fr)

PROCEDE POUR LAMINER DES BARRES DEFORMEES ET CYLINDRE POUR BARRES DEFORMEES

Publication

**EP 0853988 A4 20010606 (EN)**

Application

**EP 96931999 A 19960926**

Priority

- JP 9602783 W 19960926
- JP 25135695 A 19950928

Abstract (en)

[origin: WO9711796A1] A deformed bar having knots and four ribs on its surface is produced by performing the final finish rolling by means of a two-roll rolling mill. Rolls R1, R2 of the two-roll rolling mill have a peripheral groove (3), knot grooves (2) and a bottom groove (1). The peripheral groove (3) is substantially semi-circular in cross section, and is provided over the whole peripheral surface of the roll. The knot grooves (2) are made in the groove surfaces of the peripheral groove (3) and have a predetermined width so as to cross the peripheral groove (3). The cross section of the bottom groove (1) is an isosceles trapezoid and the groove (1) is provided along the center line of the peripheral groove (3) over the whole circumference of the peripheral groove.

IPC 1-7

**B21B 27/02**; **B21B 1/16**

IPC 8 full level

**B21B 27/02** (2006.01); **B21B 1/16** (2006.01); **B21B 13/10** (2006.01); **B21H 8/00** (2006.01)

CPC (source: EP KR)

**B21B 1/16** (2013.01 - KR); **B21B 1/163** (2013.01 - EP); **B21B 27/02** (2013.01 - KR); **B21B 27/02** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9711796A1

Designated contracting state (EPC)

DE FR GB IT LU

DOCDB simple family (publication)

**WO 9711796 A1 19970403**; AU 7095896 A 19970417; AU 710014 B2 19990909; BR 9610698 A 19990706; CN 1198111 A 19981104; EP 0853988 A1 19980722; EP 0853988 A4 20010606; JP 2957450 B2 19991004; JP H0994602 A 19970408; KR 19990063724 A 19990726; TW 305778 B 19970521

DOCDB simple family (application)

**JP 9602783 W 19960926**; AU 7095896 A 19960926; BR 9610698 A 19960926; CN 96197278 A 19960926; EP 96931999 A 19960926; JP 25135695 A 19950928; KR 19980702191 A 19980325; TW 85112024 A 19961002