Title (en)

ROLL PASS DESIGN SYSTEM FOR A PIPE-REDUCING ROLLING MILL

Title (de)

WALZENKALIBRIERUNG FÜR EIN ROHRREDUZIERWALZWERK

Title (fr)

SYSTEME DE CALIBRAGE DE CYLINDRES POUR LAMINOIR A RETREINDRE LES TUBES

Publication

EP 0809545 B1 19990414 (DE)

Application

EP 96901717 A 19960202

Priority

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- DE 19506858 A 19950214

Abstract (en)

[origin: US5816092A] PCT No. PCT/DE96/00205 Sec. 371 Date Aug. 14, 1997 Sec. 102(e) Date Aug. 14, 1997 PCT Filed Feb. 2, 1996 PCT Pub. No. WO96/25249 PCT Pub. Date Aug. 22, 1996A roll pass design for the sets of rolls of a non-mandrel type multiple-stand pipe reducing mill, each set of rolls having three rolls. In order to improve the roll pass design so that the flow of material in the pipe is acted upon locally in such a way that the occurrence of local thickening of the pipe wall at critical points along the circumference of the pipe during reduction is decreased, the magnitude of the curvature of the roll pass flanks of at least a plurality of sets of rolls succeeding one another in the rolling direction increases by constant amounts or by equal percentages.

IPC 1-7

B21B 17/14

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

US 5816092 A 19981006; AT E178816 T1 19990415; CN 1070394 C 20010905; CN 1174527 A 19980225; CZ 244797 A3 19971112; CZ 286696 B6 20000614; DE 19506858 C1 19960118; DE 59601666 D1 19990520; EP 0809545 A1 19971203; EP 0809545 B1 19990414; ES 2129953 T3 19990616; RU 2117540 C1 19980820; UA 45991 C2 20020515; WO 9625249 A1 19960822

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US 91311597 A 19970814; AT 96901717 T 19960202; CN 96191923 A 19960202; CZ 244797 A 19960202; DE 19506858 A 19950214; DE 59601666 T 19960202; DE 9600205 W 19960202; EP 96901717 A 19960202; ES 96901717 T 19960202; RU 97115371 A 19960202; UA 97063417 A 19960202