

Title (en)

Inclined-rolling method and inclined-rolling apparatus.

Title (de)

Schrägwalzverfahren und Schrägwalzwerk.

Title (fr)

Procédé pour dresser et lisser et laminoir à cylindres obliques.

Publication

EP 0550256 A1 19930707 (EN)

Application

EP 92311765 A 19921223

Priority

- JP 35977591 A 19911228
- JP 11215392 A 19920403

Abstract (en)

An inclined-rolling apparatus for piercing and rolling a tube material by the use of a pair of piercing rolls (1R,1L) and a pair of disk rolls (10U,10D), wherein rolling operation is executed with the disk rolls being positioned such that a skew angle (delta) opposite to the revolving direction of the tube material (6) is added to the outlet sides thereof and their shaft center lines (12) are inclined. In order to get rid of the interference between the piercing rolls and the disk rolls, there is provided a circular groove at the periphery of a side face of each disk roll. <IMAGE>

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B21B 19/04; **B21B 19/06**

IPC 8 full level

B21B 19/04 (2006.01); **B21B 19/06** (2006.01)

CPC (source: EP)

B21B 19/04 (2013.01); **B21B 19/06** (2013.01)

Citation (search report)

- [A] GB 2096505 A 19821020 - SUMITOMO METAL IND
- [A] EP 0156922 A1 19851009 - KAWASAKI STEEL CO [JP]
- [A] DE 2156595 B2 19790419
- [AD] PATENT ABSTRACTS OF JAPAN vol. 12, no. 321 (M-736)1988 & JP-A-63 090 306 (KAWASAKI STEEL)

Cited by

CN112275801A; EP2050518A4; CN100457311C; CN115608784A; DE19516595A1; US5636542A; DE19516595C2; ES2392913A1; CN116550758A; US7600406B2; WO2008142803A1; WO2004112978A1

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