

Title (en)

METHOD OF MANUFACTURING SEAMLESS TUBE BY THREE-ROLL MANDREL MILL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN ROHRS DURCH EIN ROHRWALZWERK MIT DREI WALZEN

Title (fr)

PROCEDE DE FABRICATION D'UN TUBE SANS SOUDURE PAR LAMINAGE A TROIS ROULEAUX

Publication

**EP 1679136 A4 20070815 (EN)**

Application

**EP 04792128 A 20041007**

Priority

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Abstract (en)

[origin: EP1679136A1] A method for manufacturing seamless tubes by a three-roll mandrel mill according to the present invention, wherein the ratio of the inner circumferential length of the tube material to the outer circumferential length of the mandrel bar is set in the range of 1.07 to 1.17 in the last two stands, that constitute said mandrel mill, in which the tube material is subjected to a wall thickness reduction process, makes it possible to effectively suppress the unsuccessful withdrawal of the mandrel bar as well as the inner surface scratch defects of the tube material by the mandrel bar without excessively increasing the wall thickness difference in the circumferential direction (the wall thickness eccentricity) after rolling, whereby a production run by said three-roll mandrel mill can be performed. Thus, the method for manufacturing seamless tubes by a Mannesmann-Mandrel Mill process can be widely applied.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] JP S58125304 A 19830726 - KAWASAKI STEEL CO
- [A] DE 19532643 A1 19960314 - SUMITOMO METAL IND [JP]
- [A] EP 0519705 A2 19921223 - KAWASAKI STEEL CO [JP]
- See references of WO 2005035154A1

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