

Title (en)

METHOD OF PRODUCING SEAMLESS PIPE AND APPARATUS FOR PERFORMING THE SAME

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN ROHRS UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE PRODUCTION DE TUYAU SANS SOUDURE ET APPAREIL POUR METTRE EN UVRE LEDIT PROCÉDÉ

Publication

EP 2422892 A4 20140716 (EN)

Application

EP 10766906 A 20100309

Priority

- JP 2010053824 W 20100309
- JP 2009102312 A 20090420

Abstract (en)

[origin: US2012017662A1] In the production of a seamless steel tube by piercing-rolling a heated billet with a piercing machine to form the billet into a hollow blank, and without reheating the hollow blank, by successively subjecting the hollow blank to elongation-rolling with an elongation-rolling mill and diameter-adjusting rolling by a diameter-adjusting rolling mill, it is made possible to prevent non-uniform longitudinal temperature distribution from occurring in a steel tube after diameter-adjusting rolling and enable energy saving to be accomplished by including a step 1 of measuring a temperature of the hollow blank along a longitudinal direction at the exit of the elongation-rolling mill; and a step 2 of spraying water onto the hollow blank to cool the hollow blank at the entrance of the diameter-adjusting rolling mill according to a measured longitudinal temperature distribution of the hollow blank, whereby the longitudinal temperature distribution of the hollow blank becomes uniform.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] EP 2006396 A2 20081224 - SUMITOMO METAL IND [JP]
- [A] JP S5994515 A 19840531 - KAWASAKI STEEL CO
- See also references of WO 2010122847A1

Cited by

CN108032040A; CN111159919A; EP3718656A4

Designated contracting state (EPC)

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DOCDB simple family (application)

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