

Title (en)

METHOD OF PRODUCTION OF HIGH-STRENGTH LOW-ALLOYED STEEL PIPES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ROHREN AUS NIEDRIG LEGIERTEM STAHL MIT HOHER FESTIGKEIT

Title (fr)

PROCEDE DE PRODUCTION DE CONDUITES EN ACIER FAIBLEMENT ALLIE A HAUTE RESISTANCE

Publication

**EP 1984527 A2 20081029 (EN)**

Application

**EP 06818001 A 20061206**

Priority

- CZ 2006000086 W 20061206
- CZ 2005756 A 20051206

Abstract (en)

[origin: WO2007065380A2] A method of production of high-strength low-alloyed steel pipes including a thermomechanical treatment and/or an intercritical heat treatment, where the pipes are produced first by hot rolling or hot extrusion, upon which follows a cooling process and, finally, drawing and/or forming with internal pressure and/or bending of pipes. The thermomechanical treatment process includes hot rolling or hot extrusion with finish forming temperature between 600 and 1,000°C and subsequent controlled cooling with delay of maximum 50 sec in the temperature range of 700 to 450°C and the delay of at least 120 sec in the temperature range of 450 to 350°C. The hot rolling or hot extrusion process is followed by the following sequence: a cooling process, intercritical heat treatment with the maximum temperature between 770 and 850°C; upon soaking at this temperature, there is controlled cooling with the delay of max. 50 sec in the temperature range of 700 to 450°C and a delay of at least 120 sec in the temperature range of 450 to 350°C.

IPC 8 full level

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Citation (search report)

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