

Title (en)

METHOD FOR PRODUCING WELDED Cu AND Cu ALLOY PIPES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GESCHWEISSTEN ROHREN AUS Cu UND Cu-LEGIERUNGEN

Title (fr)

PROCEDE DE PRODUCTION DE TUYAUX SOUDES EN Cu ET EN ALLIAGE DE Cu

Publication

**EP 1001856 B1 20021127 (DE)**

Application

**EP 98943664 A 19980701**

Priority

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- DE 19734780 A 19970806

Abstract (en)

[origin: US6401323B1] A process for producing welded pipes, from Cu and Cu alloys in a combined production line, having a casting installation for raw materials, a hot-rolling mill, a pipe-shaping and welding section and a drawing device for the welded pipe. The process has the sequence of the following process steps: a. casting of a virtually endless initial strip, b. hot-rolling of the cast initial strip at a rolling speed=casting speedxextension, to form an intermediate strip, c. cooling of the intermediate strip to  $\leq 100^{\circ}$  C. to RT and descaling of the surface of the intermediate strip, d. cold-rolling of the intermediate strip to form a strip, e. coiling of the untrimmed strip to form coils of predetermined weights, the steps a to e being carried out as an in-line process followed, directly or after interim storage, by the following further operating steps, f. unwinding and shaping of the strip to form a longitudinal seam pipe, g. welding of the longitudinal seam to form a longitudinal seam pipe, h. if necessary, external and internal deburring of the pipe, i. finishing to size, which is followed, immediately or after interim storage, by the following final operating step, and j. drawing of the welded pipe in at least one drawing stage to form the finished pipe, if the welded pipe does not already constitute the finished pipe.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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**US 6401323 B1 20020611**; AT E228403 T1 20021215; AU 735019 B2 20010628; AU 9151898 A 19990301; CA 2299372 A1 19990218; CA 2299372 C 20060627; CN 1100629 C 20030205; CN 1265612 A 20000906; DE 19734780 C1 19981210; DE 59806458 D1 20030109; EP 1001856 A1 20000524; EP 1001856 B1 20021127; ES 2183414 T3 20030316; ID 24050 A 20000706; JP 2001513443 A 20010904; KR 20010022528 A 20010315; PL 187804 B1 20041029; PL 338441 A1 20001106; TW 369441 B 19990911; WO 9907491 A1 19990218

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