

Title (en)

Process for producing tubes of copper or copper-alloy.

Title (de)

Verfahren zum Herstellung von Rohren aus Kupfer oder Kupferlegierungen.

Title (fr)

Procédé de fabrication de tubes en cuivre ou en alliages de cuivre.

Publication

EP 0644272 A3 19950607 (DE)

Application

EP 94250225 A 19940912

Priority

DE 4332135 A 19930917

Abstract (en)

[origin: EP0644272A2] The invention relates to a process for producing tubes of copper or copper alloy by cold pilger rolling, the cyclically nonuniform feed/exit speed of the rolled tube being converted in a buffer zone to a constant delivery speed. After being subjected to cold pilger rolling, the tube, which is held against torsion and delivered at constant speed, is subjected to on-line recrystallisation annealing. <IMAGE>

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C22F 1/08

IPC 8 full level

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Citation (search report)

- [A] GB 2202780 A 19881005 - OUTOKUMPU OY & DE 3810261 A1 19881006 - OUTOKUMPU OY [FI]
- [YD] DE 3146284 C2 19851031
- [Y] DE 1286761 B 19690109 - KABEL METALLWERKE GHH
- [A] BE 878482 A 19791217 - CRANE ENFIELD METALS PTY
- [A] GB 1087689 A 19671018 - WIGGIN & CO LTD HENRY
- [A] H. STEUDEL: "Werkstoff-Handbuch Nichteisenmetalle, 2. Auflage", 1960, VDI-VERLAG, DÜSSELDORF, DE

Cited by

CN102699101A; CN114369772A; CN1311926C; US7992299B2; WO2004056502A1

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