

Title (en)
ALUMINUM PIPE AND PROCESS FOR PRODUCING SAME

Title (de)
ALUMINIUMROHR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TUYAU D'ALUMINIUM ET SON PROCEDE DE PRODUCTION

Publication
EP 1594999 A4 20060524 (EN)

Application
EP 03782934 A 20031226

Priority
• JP 0316921 W 20031226
• JP 2002380756 A 20021227
• US 44062803 P 20030117

Abstract (en)
[origin: WO2004061147A1] An inlet pipe 6 and an outlet pipe 7 for use in condensers are made from an alloy containing 0.90 to 1.50 mass % of Mn, and the balance Al and inevitable impurities. The inlet pipe 6 and the outlet pipe have an electrical conductivity of 30 to 43% IACS. The inlet pipe 6 and an outlet pipe 7 are each produced from a pipe blank made from an alloy containing 0.90 to 1.50 mass % of Mn, and the balance Al and inevitable impurities, by holding the pipe blank heated at 550 to 600 C in the atmosphere or in an inert gas atmosphere for 10 to 600 minutes and thereafter cooling the pipe blank. The inlet pipe 6 and the outlet pipe 7 can be produced easily at a low cost and have satisfactory resistance to pitting corrosion.

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C22F 1/04; **F28F 21/08**

IPC 8 full level
C22C 21/00 (2006.01); **C22F 1/04** (2006.01); **F28F 9/04** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
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• [AY] WO 0166812 A2 20010913 - ALCAN INT LTD [CA], et al
• [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07 29 September 2000 (2000-09-29)
• [AY] NIPPES E L ET AL: "METALS HANDBOOK WELDING, BRAZING AND SOLDERING", METALS HANDBOOK. WELDING, BRAZING AND SOLDERING, vol. 6, 1983, pages 1022 - 1029, XP002374210
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• See references of WO 2004061147A1

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