

Title (en)

HIGHLY CORROSION-RESISTANT COPPER PIPE, METHOD OF MANUFACTURING THEREFOR AND USE THEREOF

Title (de)

HOCH KORROSIONSBESTÄNDIGES KUPFERROHR, HERSTELLUNGSVERFAHREN DAFÜR UND VERWENDUNG DAVON

Title (fr)

TUYAU EN CUIVRE EXTRÊMEMENT RÉSISTANT À LA CORROSION, SON PROCÉDÉ DE FABRICATION ET SON UTILISATION

Publication

**EP 3521463 B1 20220525 (EN)**

Application

**EP 17855236 A 20170424**

Priority

- JP 2016191076 A 20160929
- JP 2017016194 W 20170424

Abstract (en)

[origin: EP3521463A1] Provided is a corrosion resistant copper tube which can exhibit a further improved resistance to ant nest corrosion, and which is suitably usable as a heat transfer tube and refrigerant tube in air-conditioning equipment and refrigerating equipment. The copper tube is formed of a copper material consisting of 0.15-0.6% by weight of phosphorus and the balance being copper and impurities, and has electric conductivity (Y1 or Y2: %IACS) which satisfies  $50-75X \leq Y1 \leq 60-75X$  in the case where the tube includes a recrystallized structure, or  $47-75X \leq Y2 \leq 57-75X$  in the case where the tube includes a deformation structure, wherein X (% by weight) represents a content of phosphorus.

IPC 8 full level

**C22C 9/00** (2006.01); **C22F 1/08** (2006.01); **F28F 1/40** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP KR US)

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