

Title (en)

Copper tube with improved corrosion resistance and process for manufacturing the same.

Title (de)

Kupferrohre mit verbesserter Korrosionsbeständigkeit sowie Verfahren zu ihrer Herstellung.

Title (fr)

Tubes de cuivre à résistance à la corrosion améliorée et procédé pour les obtenir.

Publication

**EP 0493280 B1 19951206 (FR)**

Application

**EP 91420463 A 19911220**

Priority

FR 9016574 A 19901226

Abstract (en)

[origin: EP0493280A1] Treatment of copper or copper alloy tubes, intended to improve their resistance to corrosion resulting from a temporary heating of the said tubes, characterised in that a thin hydrophobic layer comprising a boron compound which is inert towards copper and which forms boric anhydride during the said temporary heating is formed on the surface of the said tube. Application to the manufacture of tubes which are relatively insensitive to corrosion due to pitting resulting especially from brazing and bending operations.

IPC 1-7

**C23C 18/12**

IPC 8 full level

**C23C 22/52** (2006.01); **C23C 18/12** (2006.01); **C23F 11/00** (2006.01); **F28F 19/02** (2006.01)

CPC (source: EP)

**C23C 18/1216** (2013.01); **C23C 18/1287** (2013.01); **F28F 19/02** (2013.01)

Cited by

DE19533410B4; WO2019057609A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**EP 0493280 A1 19920701**; **EP 0493280 B1 19951206**; DE 69115237 D1 19960118; DE 69115237 T2 19960515; ES 2080282 T3 19960201; FR 2671108 A1 19920703; FR 2671108 B1 19940304; JP H04301081 A 19921023; JP H0776429 B2 19950816

DOCDB simple family (application)

**EP 91420463 A 19911220**; DE 69115237 T 19911220; ES 91420463 T 19911220; FR 9016574 A 19901226; JP 34537891 A 19911226