

Title (en)

Method of producing pitting-resistant hard drawn tubes made of copper or copper-based alloys

Title (de)

Verfahren zur Herstellung lochfrassbeständiger hartgezogener Rohre aus Kupfer oder Kupferlegierungen

Title (fr)

Procédé pour la fabrication de tubes en cuivre ou en alliages cuivreux étirés à froid et résistant à la corrosion

Publication

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Application

**EP 88114157 A 19880831**

Priority

DE 3730367 A 19870910

Abstract (en)

[origin: EP0306810A2] The corrosion damage, particularly that due to local pitting, which occurs on hard-drawn copper tubes used in the sanitary sector is generally caused by carbon-containing films but also by oxide films. A carbon film on the inside of the tube is formed, for example, if the drawing compound added when drawing the tube is subjected to excessive heat. To avoid these damaging films and to improve the pitting resistance of hard tubes made of copper or copper-based alloys, the tubes are first of all degreased. In a further process step, the inner surface of the tubes is then treated with a blasting abrasive in order to establish a minimum roughness. A mean roughness of 0.8 to 1.0  $\mu\text{m}$  has proven particularly advantageous. The hard-drawn tubes treated by the method according to the invention have none of the films which promote pitting, even after brazing and/or hot bending.

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