

Title (en)

Corrosion resistant tube with internal oxide layer.

Title (de)

Korrosionsbeständiges Rohr mit inneren Oxidschichten.

Title (fr)

Tube résistant à la corrosion ayant une couche d'oxyde interne.

Publication

**EP 0683243 A3 19961204 (DE)**

Application

**EP 95107208 A 19950512**

Priority

DE 4417455 A 19940519

Abstract (en)

[origin: EP0683243A2] Copper alloy tubing contains 0.01-1.0% alloying element from Al,Sn,Zn,Si which forms an oxide layer below the surface of the tube. <IMAGE>

IPC 1-7

**C23C 8/10**

IPC 8 full level

**C23C 8/10** (2006.01)

CPC (source: EP)

**C23C 8/10** (2013.01)

Citation (search report)

- [YD] EP 0356732 A1 19900307 - KABELMETAL AG [DE]
- [Y] EP 0181416 A1 19860521 - OLIN CORP [US]
- [A] DE 1173764 B 19640709 - SIEMENS AG
- [A] DE 3004455 A1 19800821 - LIEGE USINES CUIVRE ZINC
- [A] CHEMICAL ABSTRACTS, vol. 93, no. 12, 22 September 1980, Columbus, Ohio, US; abstract no. 123377f, ORON M.: "laser-damage resistant copper surfaces with high reflectivity after oxidation" page 550; XP002015293 & NBS SPEC. PUBL., vol. 568, - 1980, US, pages 187 - 193

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0683243 A2 19951122; EP 0683243 A3 19961204; EP 0683243 B1 19980916;** DE 4417455 A1 19951123; DE 4417455 C2 19970925; DE 59503577 D1 19981022; ES 2123853 T3 19990116

DOCDB simple family (application)

**EP 95107208 A 19950512;** DE 4417455 A 19940519; DE 59503577 T 19950512; ES 95107208 T 19950512