

Title (en)

Process and reactive solution for producing a patina

Title (de)

Verfahren und Reaktionslösung zur Erzeugung einer Patina

Title (fr)

Procédé d'obtention d'une patine, et solution reactive de mise en oeuvre du procédé

Publication

EP 0943701 B1 20070704 (DE)

Application

EP 99102955 A 19990213

Priority

DE 19809904 A 19980307

Abstract (en)

[origin: US6176905B1] By applying a reaction solution containing an aqueous solution of copper salts and salts of inorganic acids, to a pre-oxidized or partially already patinated copper surface, it is possible to produce a patina layer on copper objects, either directly at the construction site or also at the factory. The reaction solution is particularly well-suited for pre-oxidized or partially already patinated copper surfaces. Copper surfaces, which have not been completely green-patinated, or have been damaged, also obtain a uniform patina layer when the reaction solution is used. The reaction solution can be changed in its consistency and adapted to the conditions of use in each case by adding wetting agents or thickeners. The reaction solution can be applied using a brush, roller or spraying device, and can be stored and processed at ambient temperature.

IPC 8 full level

C23C 22/52 (2006.01); **C23C 22/63** (2006.01); **C23C 22/68** (2006.01)

CPC (source: EP KR US)

C23C 22/63 (2013.01 - EP US); **C23F 11/04** (2013.01 - KR)

Cited by

EP1619270A3; DE102005059421B4; DE102005059421A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6176905 B1 20010123; AT E366329 T1 20070715; DE 19809904 A1 19990909; DE 59914396 D1 20070816; DK 0943701 T3 20071105; EP 0943701 A1 19990922; EP 0943701 B1 20070704; ES 2286866 T3 20071201; KR 19990077468 A 19991025; PT 943701 E 20070801; SG 75920 A1 20001024

DOCDB simple family (application)

US 26331599 A 19990305; AT 99102955 T 19990213; DE 19809904 A 19980307; DE 59914396 T 19990213; DK 99102955 T 19990213; EP 99102955 A 19990213; ES 99102955 T 19990213; KR 19990006228 A 19990225; PT 99102955 T 19990213; SG 1999001034 A 19990227