

Title (en)

Method of producing brown coating layers on copper.

Title (de)

Verfahren zur Herstellung von braunen Deckschichten auf Kupfer.

Title (fr)

Procédé pour la réalisation de revêtements bruns sur du cuivre.

Publication

EP 0483568 B1 19950920 (DE)

Application

EP 91117338 A 19911011

Priority

DE 4034249 A 19901027

Abstract (en)

[origin: EP0483568A1] For the controlled large-scale production of a uniform and firmly adhering brown covering layer (brown patina) on surfaces of semifinished copper products, especially on rolled strip or sheet for the building sector, the process according to the invention provides for first roughening the surface of the semifinished copper product by mechanical treatment and then subjecting the semifinished copper product to a heat treatment for a period of 0.1 to 30 minutes at a temperature within the range from 150 to 650 DEG C. <??>This method makes it possible to provide semifinished copper products preweathered in the works, without having to wait for the brown surface discolouration which depends on the long-term action of atmospheric influences. <??>For a further improvement in the adhesive strength of the brown patina, the semifinished copper product can advantageously also be subjected to a chemical further oxidation after the heat treatment.

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IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

K. Dies: "Kupfer und Kupferlegierungen in der Technik", Springer Verlag, Berlin/Heidelberg/New York (1967), Seiten 164-167, Kapitel 4.6.1.1

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EP1619270A3; EP0751233A1; ES2069501A1

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