

Title (en)
Process for coating copper-based materials

Title (de)
Verfahren zum Beschichten von Kupferwerkstoffen

Title (fr)
Procédé de revêtement de pièces à base de cuivre

Publication
EP 0664349 B1 19990707 (DE)

Application
EP 95100952 A 19950125

Priority
DE 4402046 A 19940125

Abstract (en)
[origin: EP0664349A1] The process for protective surface coating of copper material comprises: (a) applying a cover layer alloy (14) onto the copper material (10); and (b) applying the protective layer (18) in an application surface region (32) by supplying protective layer components in the form of a protective layer alloy (38) and melting with a laser beam (22). The protective layer (18) is bonded to the copper material (10) by melting of the copper material in the application surface region. Also claimed is a workpiece of copper material which is surface fused to a protective layer consisting of several adjacent coating beads.

IPC 1-7
C23C 26/02

IPC 8 full level
C23C 26/02 (2006.01)

CPC (source: EP)
C23C 26/02 (2013.01)

Cited by
EP0915184A1; CN110343965A; US6221175B1

Designated contracting state (EPC)
AT DE FR

DOCDB simple family (publication)
EP 0664349 A1 19950726; EP 0664349 B1 19990707; AT E181970 T1 19990715; DE 4402046 A1 19950727; DE 59506320 D1 19990812

DOCDB simple family (application)
EP 95100952 A 19950125; AT 95100952 T 19950125; DE 4402046 A 19940125; DE 59506320 T 19950125