

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