

Title (en)

Method for forming a copper blank with cold forming and forming tool with associated cutting tool for carrying out the method

Title (de)

Verfahren zur Umformung eines Kupfer-Rohlings durch Kaltfließpressen und Presswerkzeug mit zugeordnetem Schneidwerkzeug zur Durchführung des Verfahrens

Title (fr)

Procédé de formage d'une ébauche en cuivre par formage à froid et outil de formage doté d'un outil de coupe attribué pour l'exécution du procédé

Publication

**EP 2161085 A3 20171004 (DE)**

Application

**EP 09180659 A 20000420**

Priority

- EP 00108684 A 20000420
- DE 19920040 A 19990423

Abstract (en)

[origin: EP1048375A2] The cold forming method has a Cu workpiece with a volume corresponding to that of the required end electrode separated from wire with a diameter of 4.5 mm and clamped between a stationary forming matrix (10,11) and a relatively displaced forming stamp (30), moved in the direction of the matrix via a 2-stage forming process. An Independent claim for a cold forming tool is also included.

IPC 8 full level

**B21K 1/14** (2006.01); **B21C 23/20** (2006.01); **B21J 5/02** (2006.01)

CPC (source: EP)

**B21C 23/20** (2013.01); **B21J 5/02** (2013.01); **B21K 1/14** (2013.01); **B21K 23/04** (2013.01); **H01T 21/00** (2013.01)

Citation (search report)

- [A] US 2593126 A 19520415 - ESTOK PAUL A
- [AD] DE 3805628 A1 19880922 - NAT MACHINERY CO [US]
- [AD] DE 3100924 A1 19820805 - SIEMENS AG [DE]

Cited by

CN104646586A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1048375 A2 20001102; EP 1048375 A3 20081022; EP 1048375 B1 20161228**; DE 19920040 A1 20001102; DE 19964418 B4 20060608; EP 2161085 A2 20100310; EP 2161085 A3 20171004

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