

Title (en)

Method for forming a copper blank by cold extrusion

Title (de)

Verfahren zur Umformung eines Kupfer-Rohlings durch Kaltfließpressen

Title (fr)

Procédé de formage d'une ébauche en cuivre par extrusion à froid

Publication

EP 1048375 B1 20161228 (DE)

Application

EP 00108684 A 20000420

Priority

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 (examination)

US 2593126 A 19520415 - ESTOK PAUL A

Cited by

EP2181783A1; CN104014605A

Designated contracting state (EPC)

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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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EP 00108684 A 20000420; DE 19920040 A 19990423; DE 19964418 A 19990423; EP 09180659 A 20000420