

Title (en)  
Wire drawing machine

Title (de)  
Drahtziehmaschine

Title (fr)  
Machine à tréfiler

Publication  
**EP 2065104 A1 20090603 (EN)**

Application  
**EP 08020204 A 20081120**

Priority  
IT MI20072258 A 20071130

Abstract (en)  
Wire drawing machine (10) comprising a plurality of stations (20) which starting from a first station (20) towards next stations (20) are able to reduce gradually a section of a metallic wire (90), each station (20) comprises a rotatable drum (22) on which the metallic wire is wrapped, a tool (25), in particular a die or a draw box, and pulling means connected to the rotatable drum (22) which are able to rotate the same forcing consequently the passage of the metallic wire (90) through the tool (25) in such a way to reduce the section of the metallic wire (90), the pulling means comprise an alternate current electric motor (30), in particular asynchronous or with permanent magnet. The electric motor (30) of the pulling means of the first station (20) comprises a number of poles equal or greater than 8, in particular equal or greater than 12. Besides, at least the first three stations (20) show pulling means which are provided of an electric motor (30) having a number of poles equal or greater than 12, and in particular equal or greater than 18. In other terms, none of the wire drawing stations (20) shows a belt transmission and/or a reduction gear connected to said electric motor (30).

IPC 8 full level  
**B21C 1/12** (2006.01); **B21C 1/14** (2006.01)

CPC (source: EP KR)  
**B21C 1/02** (2013.01 - KR); **B21C 1/12** (2013.01 - EP); **B21C 1/14** (2013.01 - EP KR)

Citation (search report)  
• [YA] EP 1502669 A1 20050202 - ERNST KOCH GMBH & CO KG [DE]  
• [Y] DE 20119879 U1 20020221 - HANNING ELEKTRO WERKE [DE]  
• [A] WO 03051551 A1 20030626 - BUELTMANN RUDOLF [DE], et al  
• [A] "IMPROVING SPEED AND SURFACE QUALITY ON DRAWN WIRE", DESIGN ENGINEERING, MORGAN-GRAMPIAN LTD. LONDON, GB, 1 March 1995 (1995-03-01), pages 16, XP000505606, ISSN: 0308-8448

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2065104 A1 20090603**; AR 069419 A1 20100120; CN 101444799 A 20090603; IT MI20072258 A1 20090601; KR 20090056845 A 20090603; RU 2008145615 A 20100527

DOCDB simple family (application)  
**EP 08020204 A 20081120**; AR P080105092 A 20081124; CN 200810180146 A 20081201; IT MI20072258 A 20071130; KR 20080117345 A 20081125; RU 2008145615 A 20081119