

Title (en)  
WIRE FORMING DEVICE

Title (de)  
DRAHTFORMUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE FORMATION DE FIL

Publication  
**EP 3330018 A1 20180606 (EN)**

Application  
**EP 16201592 A 20161201**

Priority  
EP 16201592 A 20161201

Abstract (en)  
A wire forming device, comprising: a base seat and four wire forming units. The base seat is provided with a wire output port at its center. The four wire forming units are disposed respectively on four corners of the base seat, and each provided with a movable plate. A plurality of tool seats are located in parallel and disposed at a front end of the upper plate, while an up-down driver is disposed at a rear end of the upper plate. A left-right driver is disposed on back side of the base seat and on back side of each lower plate. As such, through using the up-down driver and the left-right driver, the movable plate can be made to move upward, downward, left, and right in two dimensions, to bring the forming tool of tool seat at front end of the movable plate into action, to process the wire in the wire output port in two dimensions. Therefore, the wire forming device is able to simplify the forming tool's adjusting, and reduce forming tool's stroke distance. Also, it can act separately, to speed up feed and retraction of the setup tool.

IPC 8 full level  
**B21F 1/00** (2006.01); **B21F 3/02** (2006.01); **B21F 35/00** (2006.01)

CPC (source: EP)  
**B21F 1/008** (2013.01); **B21F 3/02** (2013.01); **B21F 35/00** (2013.01)

Citation (applicant)  
TW M390828 U 20101021

Citation (search report)  
• [Y] US 2016332212 A1 20161117 - YANG CHING-FA [TW]  
• [Y] US 2009007619 A1 20090108 - SPECK NORBERT [DE]  
• [Y] US 2011114217 A1 20110519 - WU DAVID [TW]

Cited by  
DE102019130076B4

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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