

Title (en)  
Centering clamp

Title (de)  
Zentrierspanner

Title (fr)  
Dispositif de serrage et de centrage

Publication  
**EP 1391266 A3 20041208 (DE)**

Application  
**EP 03017820 A 20030805**

Priority  
DE 10238815 A 20020823

Abstract (en)  
[origin: EP1391266A2] The centering chuck assembly incorporates a hook (1) with a recurved hooked end (2) on the end of an arm (3). The arm has a base portion with a curved slot allowing tilting and sliding movement on a pin in a chuck drive fitting (SA). An adapter plate (4) containing a spring (11) fits on the front surface (10) of the drive. The centering mandrel (5) has a slit (6) which can accommodate the hook.

IPC 1-7  
**B25B 5/16**; **B25B 5/08**

IPC 8 full level  
**B25B 5/08** (2006.01); **B25B 5/12** (2006.01)

CPC (source: EP)  
**B25B 5/087** (2013.01); **B25B 5/122** (2013.01)

Citation (search report)  
• [DA] DE 20100701 U1 20010322 - TUENKERS MASCHINENBAU GMBH [DE]  
• [A] EP 1225008 A1 20020724 - PROGRESSIVE TOOL & IND CO [US]  
• [DA] DE 29713607 U1 19970925 - STA CO METTALLERZEUGNISSE GMBH [DE]

Cited by  
EP1702721A1; JP2010179429A; EP1702719A1; DE102016015041A1; DE102016015041B4; CN110293490A; DE102015122360B3; DE102015006019B3; CN108747905A; EP3677382A1; CN114401824A; EP1624201A3; ITTO20120106A1; EP2626174A1; US7311301B2; DE202015008208U1; EP3095558A1; US7686286B2; EP3542963A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1391266 A2 20040225**; **EP 1391266 A3 20041208**; **EP 1391266 B1 20060503**; DE 10238815 B3 20040226; DE 50303161 D1 20060608; ES 2258684 T3 20060901

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