

Title (en)  
DEVICE FOR MACHINING

Title (de)  
VORRICHTUNG ZUM SPANABHEBENDEN ARBEITEN

Title (fr)  
DISPOSITIF D'USINAGE PAR ENLEVEMENT DE COPEAUX

Publication  
**EP 0819034 A1 19980121 (DE)**

Application  
**EP 96910952 A 19960404**

Priority  
• DE 19513305 A 19950407  
• EP 9601471 W 19960404

Abstract (en)  
[origin: DE19613772A1] The tool (10) has a spindle (14) which can be coupled to a drive mechanism, and which is coupled to the cutter head (16). A sleeve (20) between the spindle and the head cannot turn or slide in relation to the latter, and supports the spindle at its other end. It can be coaxial to the tool lengthwise axis, and a swarf-discharge passage can pass from an inlet (54) in the head through the sleeve interior (52). The head can be detachable from the sleeve by means of screws, locking devices or a bayonet coupling. The hollow spindle can be formed on the sleeve.

IPC 1-7  
**B23B 29/02**; **B23B 51/04**; **A61B 17/16**

IPC 8 full level  
**B23B 25/00** (2006.01); **B23B 29/02** (2006.01); **B23B 51/04** (2006.01)

CPC (source: EP US)  
**B23B 29/02** (2013.01 - EP US); **B23B 51/0493** (2022.01 - EP US); **Y10T 408/172** (2015.01 - EP US)

Citation (search report)  
See references of WO 9631307A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL SE

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**DE 19613772 A1 19961024**; EP 0819034 A1 19980121; JP H11504572 A 19990427; US 5971988 A 19991026; WO 9631307 A1 19961010

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**DE 19613772 A 19960404**; EP 9601471 W 19960404; EP 96910952 A 19960404; JP 52999096 A 19960404; US 93078597 A 19970929