

Title (en)  
Power wrench.

Title (de)  
Kraftschrauber.

Title (fr)  
Clé de puissance.

Publication  
**EP 0035164 A1 19810909 (DE)**

Application  
**EP 81101131 A 19810217**

Priority  
DE 3008332 A 19800305

Abstract (en)  
1. Power wrench comprising a wrench head (10) in which a ring (12) connectible to a bolt head is pivoted, a piston-cylinder unit (20) whose cylinder is integrated into a fixed attachment (18) of the wrench head (10) and which presses against a support element (23) adaptable to a stationary abutment, and an entrainment system (21) driven by the piston-cylinder unit (20) and entraining the ring (12) only in one sense of rotation of the wrench head (10) characterized in that the support element (23) is fixed to a support ring (22) positioned on ring (12), that the support ring (22) encloses the wrench head except for the attachment (18), the support element (23) extending approximately tangentially relative to ring (12) or to the wrench head (10) and the effective lengths of the support element (23), on the one hand, and of the attachment (18) of the wrench head, on the other hand, each with respect to the center of the wrench head (10) differing from one another by less than a factor 1.5 and, in particular, being substantially of the same size.

Abstract (de)  
Der Kraftschrauber weist einen Schlüsselkopf (10) auf, in dem ein an den Schraubenkopf ansetzbarer Ring (12) gelagert ist. Um die Achse des Ringes (12) ist ein ebenfalls an dem Schlüsselkopf (10) gelagertes Stützelement (23) schwenkbar. In einen Ansatz (18) des Schlüsselkopfes (10) ist ein Zylinder (19) integriert, in welchem ein Kolben (25), der über eine gelenkig abgestützte Kolbenstange (29) gegen das Stützelement (23) drückt, verschiebbar ist. Der Schlüsselkopf (10) mit der integrierten Kolben-Zylinder-Einheit (20) hat kleine Abmessungen und ein geringes Gewicht. Durch eine Ratsche (21) wird erreicht, daß eine Mitnahme des Ringes (12) nur in der einen Drehrichtung des Schlüsselkopfes (10) erfolgt.

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**B25B 21/00**

IPC 8 full level  
**B25B 21/00** (2006.01)

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**B25B 21/005** (2013.01)

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• FR 2256803 A1 19750801 - ABDELLATIF ALA [FR]  
• DD 62789 A  
• [A] DE 2631852 A1 19780119 - DYMAX MASCHINENBAU UND HANDELS  
• [AD] DE 2746632 A1 19780420 - JUNKERS JOHN K

Cited by  
GB2182592A; GB2167698A; EP0062195A3; EP0062194A3; DE3413202A1; DE3413202C2

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