

Title (en)  
Power tool

Title (de)  
Kraftbetriebenes Werkzeug

Title (fr)  
Outil motorisé

Publication  
**EP 1584423 A2 20051012 (EN)**

Application  
**EP 05251698 A 20050321**

Priority  
CN 200420025748 U 20040325

Abstract (en)  
A power tool comprising a rotary motor (9) disposed in a housing (3), a transmission mechanism (8) attached to the rotary shaft of the rotary motor (9) and a fan (2) disposed on the rotary motor (9). The housing (3) near to the fan (2) defines a first air discharge port (1). The housing (3) outside the transmission mechanism (8) defines a second air discharge port (4). An inner wall of the housing (3) between the first air discharge port (1) and the transmission mechanism (8) forms an air baffle (6). Cooling air may flow from the air baffle (6) to the second air discharge port (4) outside the transmission mechanism (8) to cool the transmission mechanism (8). <IMAGE>

IPC 1-7  
**B25F 5/00**; **B25F 5/02**

IPC 8 full level  
**B25F 5/00** (2006.01); **B25F 5/02** (2006.01)

CPC (source: EP US)  
**B25F 5/008** (2013.01 - EP US); **B25F 5/02** (2013.01 - EP US)

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DOCDB simple family (publication)  
**EP 1584423 A2 20051012**; **EP 1584423 A3 20051019**; CN 2688454 Y 20050330; US 2005230134 A1 20051020

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**EP 05251698 A 20050321**; CN 200420025748 U 20040325; US 8869005 A 20050324