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(54) **Power tool**

(57) 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 mecha-

nism (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).

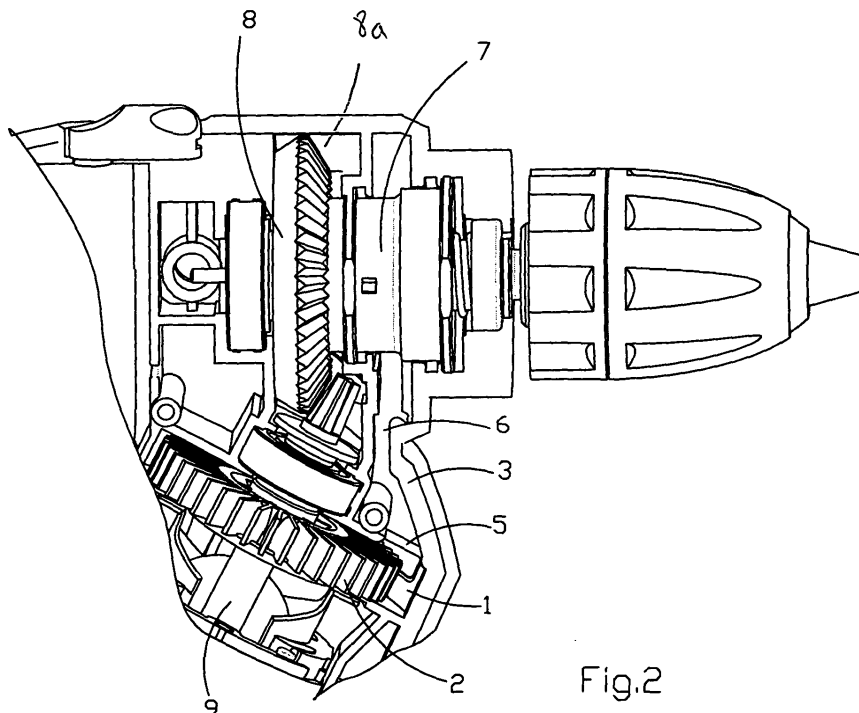


Fig.2

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EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		12 August 2005	Popma, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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