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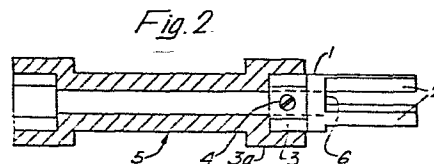
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54 A drive attachment for a power drill or like tool.

57 A drive attachment for a power tool utilising a chuck which enables the tool to be used as a screwdriver or other tool without removing a drill bit from the chuck, comprises a tubular portion 1 adapted to fit over the bit and having at one end drive means providing direct driving engagement with the jaws or head of the chuck. The drive means may comprise a circumferentially spaced array of two or more longitudinally extending projections 2 adapted to engage in the spaces between the chuck jaws. A male or female portion 3 of non-circular configuration fits into or over a correspondingly shaped portion 3a of a nut-runner 5 or other tool component. The attachment may be retained by grub screws 4. If required the attachment can be closed at one end to completely shroud the drill bit. The closed end may be shaped as or provided with, the tool component which is to be rotatably driven, such as a screw driver head. In other examples the projections may be movable radially to engage the chuck head, for example to engage in key holes in the chuck.





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	GB-A-2 063 114 (FISCHER) * Figure 1; page 1, lines 104-105 *	1-3, 8, 10-12	B 25 B 21/00
X	DE-A-2 613 438 (METABOWERKE) * Figures 1-3 *	1, 2, 5, 6, 8, 10 -12	
X	AU-B- 22 212 (JOHN BAPTIST GELFI) (1970) * Page 3, line 20 *	1, 9-12	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			B 25 B 21/00 B 25 F 3/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13-04-1984	Examiner LOKERE H.P.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			