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(54) **A shift device for wheel head of sander**

(57) A shift device for a wheel head of a sander comprises an output shaft 1 inserted in a connecting hole (3) of the output shaft (1), a spring (6) and a latch axis (7) inserted in the hole (4) of the output shaft (1), two the fix latches (8) disposed in a slot (5) at the end of the output shaft (1), which stretch towards two sides at the

slot (5). When the wheel head is to be shifted, the latch axis (7) is lifted under the acting of a restricting sleeve (12), the fix latch (8) rotates downward and retrieved from a concave slot (9), and the wheel head (2) is fetched out. The present invention is capable of shifting the wheel head quickly and efficiently.

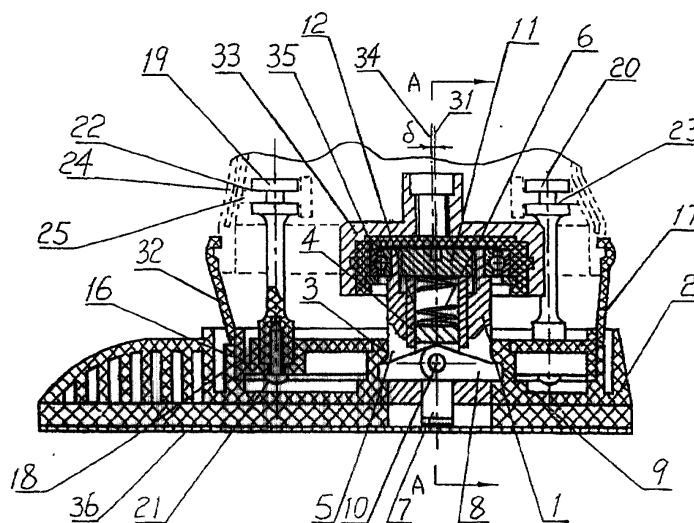


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 99 12 3775

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.7)
A	US 4 045 038 A (OBENSHAIN DAVID NOEL) 30 August 1977 (1977-08-30) * column 2, line 34 - column 3, line 63 * * figures 4,5 * ----	1	B24B23/04 B24B45/00 B24B23/02 B23B31/40
A	US 4 850 734 A (NAUMEC JOHN R ET AL) 25 July 1989 (1989-07-25) * column 2, line 18 - line 54 * * figure 2 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B24B B23B B24D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 August 2002	Examiner Schultz, T
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
ON EUROPEAN PATENT APPLICATION NO.**

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