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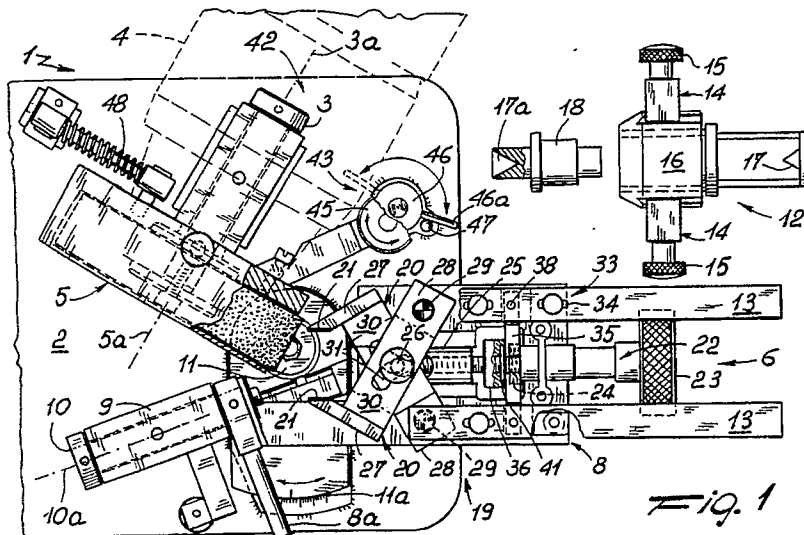
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(54) **Sharpening machine for twist drills, in particular for drilling machines.**

(57) A sharpening machine for twist drills, in particular for drilling machines, including: a basement (2), a motor (4), an abrasive wheel (5) driven by the motor (4), a support and guide device (6) suitable for locating a twist drill (7) in sharpening position and for causing a shaping movement to the same twist drill, and handling means (42) suitable for obtaining the reciprocal approaching of the twist drill (7) and the abrasive wheel (5), the support and guide device (6)

including a guide pin (10) engaged with the basement (2), an oscillating base (8) hinged to the guide pin (10) and supporting the positioning means (12) engaging the tang (7a) of the helical twist drill (7), and tightening means (19) including grip cheeks (20) located in proximity of the abrasive wheel (5) and rotating in reciprocal approaching for tightening the helical twist drill (7) in proximity of the cutting end thereof (7b).



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## EUROPEAN SEARCH REPORT

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EP 90 11 1799

### 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.5)
X,Y	FR-A-1 495 629 (THE SHEFFIELD TWIST DRILL & STEEL CO. LTD.) * the whole document * - - - -	1,2,3,5	B 24 B 3/26
X,A	US-A-3 813 822 (T.GROB) * column 2, line 27 - column 6, line 5; figures * - - - -	1,2,10,6, 8,11	
Y	FR-A-8 123 40 (M.FOUQUET) * the whole document * - - - -	3,5	
A	US-A-2 142 923 (R.P.STOCKING) * page 2, column 1, line 50 - page 3, column 1, line 64; figures 6-9 * - - - -	6	
A	FR-A-1 114 627 (REALISATIONS ET ETUDES MECAN-IQUES) * the whole document * - - - -	6	
A	DE-C-1 896 09 (W.SCHLAPP) * page 1, line 63 - page 2, line 2; figure * - - - -	12	
A	EP-A-0 296 805 (Z.BRIERLEY LTD.) * column 1, line 53 - column 2, line 16; figures 1, 2 * - - - - -	13	TECHNICAL FIELDS SEARCHED (Int. Cl.5)  B 24 B
The present search report has been drawn up for all claims			
Place of search  The Hague		Date of completion of search  27 May 91	Examiner  VAGLIENTI G.L.M.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>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</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &amp;: member of the same patent family, corresponding document</div>			