

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 691 179 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
10.04.1996 Bulletin 1996/15

(51) Int Cl.⁶: **B24B 21/18**

(43) Date of publication A2:
10.01.1996 Bulletin 1996/02

(21) Application number: **95830295.2**

(22) Date of filing: **07.07.1995**

(84) Designated Contracting States:
DE ES IT NL

(30) Priority: **08.07.1994 IT BO940320**

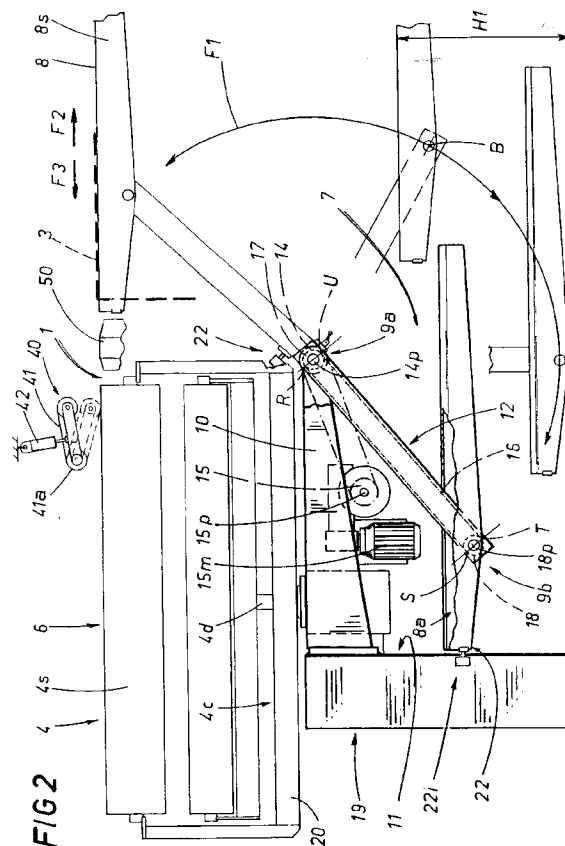
(71) Applicant: **SCM GROUP AUTEC DIVISION S.p.A.**
I-47037 Rimini (IT)

(72) Inventor: **Botteghi, Gino**
I-47037 Rimini (IT)

(74) Representative: **Lanzoni, Luciano**
c/o BUGNION S.p.A.
Via dei Mille, 19
I-40121 Bologna (IT)

(54) **Device to facilitate the fitting of abrasive belts to sanding machines, especially for wooden panels**

(57) A device to facilitate the fitting of abrasive belts envisages a guide element (8) mounted so it is axially parallel to rollers (4s, 4i) and linked by a four-point linkage mechanism to the free end of a supporting element (11) located inside a hollow space (7) in the machine; the linkage mechanism (12) move the guide element (8) in both directions between a plurality of intermediate positions in which the guide element is always parallel to the end rollers (4s, 4i), the three main positions being the following: a least extended rest position where the guide element (8) is completely inside the hollow space (7); a belt (3) loading/unloading position where the guide element (8) is partially outside the limits defined by the rollers (4s, 4i) and at a height (H1) less than the height of the top roller (4s) from the reference plane (P); and a fully extended, work position where the guide element (8) is completely outside the limits defined by the rollers (4s, 4i) and aligned with the top roller (4s) in such a way that its upper surface forms an extension of the roller itself.



EP 0 691 179 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 83 0295

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.6)
P,D, A	EP-A-0 614 727 (COSTA LEVIGATRICI SPA) 14 September 1994 * abstract; figures * ---	1	B24B21/18
D,A	US-A-5 185 963 (DE BREY ROBERT J) 16 February 1993 * abstract; figures * ---	1	
D,A	PATENT ABSTRACTS OF JAPAN vol. 011 no. 205 (M-603) ,3 July 1987 & JP-A-62 024957 (TAKEGAWA TEKKO KK) 2 February 1987, * abstract * ---	1	
A	PATENT ABSTRACTS OF JAPAN vol. 017 no. 275 (M-1418) ,27 May 1993 & JP-A-05 008166 (MITSUBISHI HEAVY IND LTD) 19 January 1993, * abstract * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B24B
Place of search THE HAGUE		Date of completion of the search 7 February 1996	Examiner Garella, M
<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>			

EPO FORM 1503 01.82 (P04C01)