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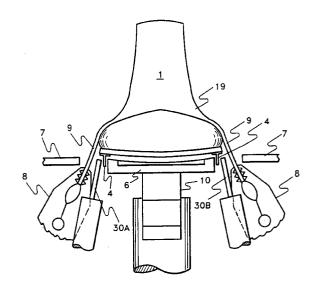
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## (54)Welt-laster

(57)A machine for lasting the welt of a footwear upper assembly (1) that includes a last (2) having an insole located at the last bottom, with a rib (4) secured to the insole (3) near the insole periphery and extending downward and away from the lower surface of the insole (3), the rib (4) being displaced an incremental distance from said periphery at the toe end of the assembly to form a corner region between the surface of the insole (3) at the corner region and the rib (4) to receive an adhesive. The machine includes an anvil (6) to receive the bottom surface of the insole (3) and operable to provide a wiping plane and, also, support for the rib (4) during wiping; pincers (8) positioned to receive the cement margin. An anvil drive serves to press the footwear upper assembly (1) upward to stretch the upper about the last (2) against a downward force exerted by the pincers (8). Nozzles (30A,30B) are positioned to apply adhesive into the corner region; and wipers are positioned to wipe the cement margin at the corner region.





## **EUROPEAN SEARCH REPORT**

Application Number EP 95 10 5138

Category	Citation of document with indicat of relevant passage		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Х	FR-A-2 345 961 (ETABLI CIE, SARL) 28 October * the whole document *	1977	1-7	A43D25/047 A43D25/18
A	FR-A-2 478 966 (BERAUD 1981	, PAUL) 2 October		
Α	EP-A-0 336 671 (BRITIS MACHINERY LTD) 11 Octo			
A	DE-A-33 41 118 (INTERN SCHUH-MASCHINEN CO GMB			
D,A	US-A-4 654 914 (LEEPER	- ) 7 April 1987 		
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)
				A43D
	The present search report has been d	rawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	10 April 1996	Soe	ederberg, J
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		E : earlier patent after the filin D : document cit L : document cite	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	
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