

Title (en)
LAST HOLDING DEVICE FOR A SHOE SOLE APPLICATION MACHINE

Publication
EP 0358156 A3 19910904 (DE)

Application
EP 89116332 A 19890905

Priority
DE 3830715 A 19880909

Abstract (en)
[origin: EP0358156A2] A last (1) with a centring sleeve (7) can be placed on a centring pin (6) of a last holding device (2). In this connection, stop elements (e.g. 26) of the last (1) touch a plate (5) of the last holding device (2). In a headpiece (4) of the last holding device (2), there is a pressure chamber (10), in which a piston (11) is displaceable by means of pressure means. A piston rod (9) of the piston (11) is attached to a sliding piston (8). The sliding piston (8) carries, via articulation points (42,43), tongues (16,17) which are articulated on levers (18,19). The levers (18,19) carry at the top holding jaws (22,23) which are guided in holding contact with longitudinal edges (39,40) of the stop elements (e.g. 26). <IMAGE>

IPC 1-7
A43D 23/04

IPC 8 full level
A43D 23/04 (2006.01); **B25B 5/06** (2006.01)

CPC (source: EP)
A43D 23/04 (2013.01); **B25B 5/061** (2013.01)

Citation (search report)
• [YD] DE 3418918 A1 19850523 - KLOECKNER FERROMATIK DESMA [DE]
• [Y] US 1822501 A 19310908 - OSCAR ONSRUD
• [A] US 1365222 A 19210111 - BLAKE CHARLES C
• [A] WO 8700472 A1 19870129 - ERICSON GOERAN, et al

Cited by
ES2111432A1; CN115067631A; CN109820284A; US2019152022A1; KR102033257B1; WO2006111995A1

Designated contracting state (EPC)
DE FR GB GR IT

DOCDB simple family (publication)
EP 0358156 A2 19900314; EP 0358156 A3 19910904; EP 0358156 B1 19940216; DE 3830715 A1 19900322; DE 58906976 D1 19940324

DOCDB simple family (application)
EP 89116332 A 19890905; DE 3830715 A 19880909; DE 58906976 T 19890905