

Title (en)

Automatic machine with multiple interchangeable heads, for mass footwear production of manufacturing.

Title (de)

Automatische Maschine mit mehrfachen auswechselbaren Köpfen für die Massenerstellung von Schuhen.

Title (fr)

Machine automatique à têtes multiples interchangeables pour la fabrication en masse de chaussures.

Publication

**EP 0244547 A1 19871111 (EN)**

Application

**EP 86830111 A 19860506**

Priority

EP 86830111 A 19860506

Abstract (en)

Automatic machine with multiple interchangeable heads, for mass footwear production of manufacturing. To a fixed frame (5) are secured, on one or more levels, one or more mobile devices, moving with a reciprocating motion (6), (7), (8), on which stopper plugs (15), (15 min ), (15 sec ), and (17), (17 min ), (17 sec ), (17"), and operative elements (25), (43), (54), (68) are mounted. Said stopper plugs and operative elements are all interchangeable and, depending on how they are matched, the machine is set up to perform automatically a predetermined operation included in the footwear (11) automatic manufacturing cycle. Such manufacturing operations include: pulling out nails (18) holding insoles (19) to lasts (20), rough shaping, tuft removal (48), pre-roughing edges (47) of uppers (21) secured to insoles (19), levelling bottom parts (29) of footwear (11), its roughing and cementing operations required for the ensuring attaching of soles.

IPC 1-7

**A43D 111/00**; **A43D 61/00**; **A43D 37/00**; **A43D 25/18**; **A43D 21/00**

IPC 8 full level

**A43D 21/00** (2006.01); **A43D 25/18** (2006.01); **A43D 37/00** (2006.01); **A43D 61/00** (2006.01); **A43D 111/00** (2006.01)

CPC (source: EP)

**A43D 21/006** (2013.01); **A43D 25/181** (2013.01); **A43D 37/00** (2013.01); **A43D 61/00** (2013.01); **A43D 111/00** (2013.01)

Citation (search report)

- [A] FR 2296379 A1 19760730 - LATTARD HERVE [FR]
- [A] GB 1439101 A 19760609 - VIGES SPA
- [A] DE 1485921 A1 19690529 - GIERSE HEINZ
- [A] FR 2198362 A5 19740329 - HUBER ET CIE SA L ETS [FR]
- [A] EP 0123173 A2 19841031 - ANZANI GIUSEPPE

Cited by

CN113951611A; CN113243623A; EP0455354A3; CN113974272A; CN113974271A; CN114098231A; EP0388674A3; EP0596570A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0244547 A1 19871111**

DOCDB simple family (application)

**EP 86830111 A 19860506**