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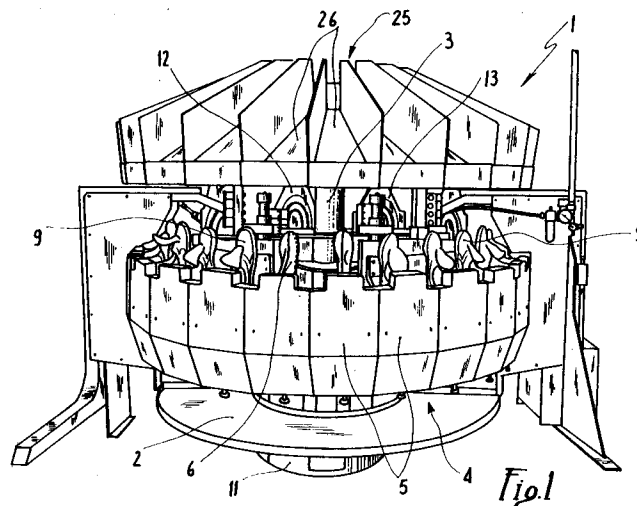
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I-20123 Milano(IT)(54) **Rotary preforming machine for uppers.**

(57) The invention relates to a rotary preforming machine particularly suitable for the shaping of uppers before the operation of injecting the soles. The machine comprises a stepwise rotary carousel (4) on which a series of openable upper-holder lasts (6) is perimetally fixed. Each last (6) has a series of holes (10) connected to a water vapor generator by means

of tubes. The rotating carousel (4) co operates with at least two consecutive fixed workstations (12), each comprising a movable carriage (16) guided so as to slide around the upper-holder last (6) which is located thereat by the movement of the carousel (4). Elements (23,24) for beating uppers fitted on the lasts (6) are coupled to the movable carriage (16).





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EUROPEAN SEARCH REPORT

Application Number

EP 90 10 8422

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) |
|---|---|--|--|
| Y | US-A-3 961 390 (GIORDANO) * abstract; claims 1,4; figures 1,9 ** - - - | 1-4 | A 43 D 49/00 A 43 D 11/14 A 43 D 23/04 |
| Y | US-A-2 489 554 (J.ZAORAL) * claim 1; figure 1 ** - - - | 1-4 | A 43 D 21/00 |
| Y | GB-A-2 080 670 (RINALDI EMILIO & C.S.A.S) * abstract; claim 1; figures 1-3 ** - - - | 1-4 | |
| A | EP-A-0 009 422 (BONNET ET AL.) * page 8, line 21 - line 27; claim 3; figures 4A,4B ** - - - - - | 8,9 | |
| The present search report has been drawn up for all claims | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | A 43 D |
| Place of search | | Date of completion of search | Examiner |
| The Hague | | 12 November 91 | SUENDERMANN R.O. |
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