

Title (en)

MANNEQUIN, MACHINE AND SYSTEM FOR THE LASER MARKING OF TROUSERS

Title (de)

MODELLPUPPE, MASCHINE UND SYSTEM ZUR LASERMARKIERUNG VON HOSEN

Title (fr)

MANNEQUIN, MACHINE ET SYSTÈME DE MARQUAGE AU LASER DE PANTALON

Publication

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Application

EP 19382319 A 20190426

Priority

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Abstract (en)

The invention relates to a mannequin (1) for supporting a pair of trousers whereon a laser marking is performed, comprising two leg structures (2) to be housed on the inside of the trouser legs. Each structure is defined by a respective imaginary longitudinal axis (20) wherein the respective trouser leg extends, an upper area (21), a lower area (22), a front plane (23), a rear plane (24), an inner side (25) and an outer side (26) whereon the outer edge is arranged, which goes from the waist to the lower end of the trouser leg. The separation distance between the inner side and the outer side is variable by means of a respective tensing mechanism (3), each structure being able to adopt and go from a non-operative loosened position (A) to a maximum tensed end position (B) in order to perform the marking. The leg structures (2) are coupled in an articulated manner to a main rotation axis (5) around which they are able to rotate, parallel to the direction of the dimension of the rise of the pair of trousers or collinear with said direction, the front planes (23) of the two leg structures (2) being able to form between each other at least two angles greater and/or less than 180°.

IPC 8 full level

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Citation (applicant)

- WO 03029545 A1 20030410 - TONELLO SRL [IT], et al
- ES 2640831 B2 20180307 - JEANOLOGIA SL [ES]

Citation (search report)

- [AD] ES 2640831 B2 20180307 - JEANOLOGIA SL [ES]
- [A] DE 4131804 A1 19930401 - KREMPEL AUGUST SOEHNE [DE]
- [A] EP 1650337 A1 20060426 - OMI MECCANICHE IND S A S [IT]
- [A] GB 262893 A 19261223 - PARAMOUNT HOSIERY FORM COMPANY, et al
- [A] WO 9510651 A1 19950420 - KREMPEL AUGUST SOEHNE [DE], et al
- [A] GB 2297333 A 19960731 - CORTESE CARMELO ANGELO [IT]

Cited by

EP4067565A1

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DOCDB simple family (application)

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