Title (en)
AUTOMATIC UNIT FOR PROGRAMMABLE SEWING OF A TROUSER FLY

Title (de)
AUTOMATISCHE EINHEIT ZUM PROGRAMMIERBAREN VERNÄHEN EINES HOSENSCHLITZES

Title (fr)
UNITÉ AUTOMATIQUE POUR LA COUTURE PROGRAMMABLE D'UNE BRAGUETTE DE PANTALON

Publication
EP 3736368 A1 20201111 (EN)

Application
EP 20173747 A 20200508

Priority
IT 201900006726 A 20190510

Abstract (en)
An automatic sewing unit (20, 21) adapted to carry out a programmable sewing of a trouser fly, comprising a work surface (22) on which a loading device (23) for conveying a trouser panel is positioned and operates and a sewing head (26) positioned on a side opposite the work surface (22) relative to the loading device (23). The loading device (23) comprises a material loading gripper (24) hinged to a conveyor plate (24') for conveying a fabric panel and which is movable relative to the gripper (24) by means of an actuator (25) that enables the opening or closing of the gripper itself with a folding movement relative to the conveyor plate (24'). Acting on the work surface (22) there is a first row of pins (29) aligned with one another and movable only in a vertical direction relative to the work surface (22) and a second row of pins (30) movable both in a vertical direction and in a horizontal direction relative to the work surface (22), said pins (29, 30) being able to be shifted vertically from a working position wherein the pins come out of holes fashioned in the work surface (22) and a rest position wherein the pins go back inside the work surface (22) .

IPC 8 full level
D05B 35/06 (2006.01); **D05B 35/10** (2006.01)

CPC (source: EP)
D05B 35/064 (2013.01); **D05B 35/107** (2013.01)

Citation (search report)
- [A] GB 2174113 A 19861029 - YOSHIDA KOGYO KK
- [A] US 4911091 A 19900327 - SCHOLL HANS [DE], et al
- [A] CN 206783942 U 20171222 - HUAIAN VOCATIONAL COLLEGE INFORMATION TECH

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CN113174706A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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