

Title (en)
CUTTING DEVICE FOR T-SHIRTS

Title (de)
SCHNEIDEVORRICHTUNG FÜR T-SHIRTS

Title (fr)
DISPOSITIF DE DÉCOUPE POUR T-SHIRTS

Publication
EP 3498909 A1 20190619 (EN)

Application
EP 18206140 A 20181114

Priority
IT 201700131102 A 20171116

Abstract (en)
Cutting device for T-shirts, consisting of a case (10) with a front opening (11) and an openable side (11.a), the cutting occurring through the steps of:(A) positioning a fabric portion (18) on a preparation plane (15);(B) blocking, in which a pair of grippers (17-17') is lowered onto the preparation plane (15) holding the fabric stationary;(C) sliding, in which the preparation plane (15) slides horizontally on tracks (19-19'), displaced by a horizontal piston (20) actuated by a control device (14);(D) cutting, in which a blade (23) is displaced downwards by a vertical piston (21) until it reaches the preparation plane (15) for cutting the fabric (18);(E) removing, in which the blade (23) slides upwards and the preparation plane (15) slides horizontally until it can be reached by the operator;(F) lifting, in which the operator lifts the grippers (17-17') freeing the fabric;said case (10) having a safety barrier (24) made of plexiglass which delimits the space in which the blade (23) acts; said case (10) having optical sensors (13-13') suitable to block the cutting in case of detection of a foreign object inside the case (10).

IPC 8 full level
D06H 7/24 (2006.01); **B26D 7/22** (2006.01); **D06H 7/00** (2006.01)

CPC (source: EP)
B26D 7/22 (2013.01); **D06H 7/00** (2013.01); **D06H 7/24** (2013.01)

Citation (search report)
• [A] CN 107268259 A 20171020 - GUANGDONG ESQUEL TEXTILES CO, et al
• [A] CN 107313235 A 20171103 - ZHEJIANG BAIDE TEXTILE CO LTD
• [A] JP H08243992 A 19960924 - KANEBO LTD
• [A] DE 102010021830 A1 20111201 - BRUDER WOLFGANG [DE]

Cited by
CN113652855A; CN112323462A; WO2022052448A1

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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