

Title (en)
Needling device

Title (de)
Nadelmaschine

Title (fr)
Machine d'aiguilletage

Publication
EP 2460920 B1 20130424 (EN)

Application
EP 11186748 A 20111026

Priority
IT VI20100325 A 20101201

Abstract (en)
[origin: EP2460920A1] A needling device for products (V) comprising: a needling bar (2) movable towards the product (V) and provided with a support structure (3) to which a plurality of shaped needles (4); a first connecting rod (5 ; 105) and a second connecting rod (6 ; 106) moved in counter-rotation with respect to each other and each one with eccentric stroke in the connecting rod big end (7), the small end (15) of each connecting rod (5 , 6 ; 105 , 106) being rotatably anchored to the support structure (3) of the needling bar (2) to alternately move it along directions incident the product (V) and to induce in said needles (4) a movement of penetration into the product (V) and back. The device (1) comprises a first (20 ; 120) and a second conditioning group (21 ; 121) of the connecting rods (5 , 6 ; 105 , 106) operatively interposed between the connecting rods (5 , 6 ; 105 , 106) for mechanically connecting them, the first conditioning group (20 ; 120) having a first portion (23) operatively connected to a corresponding second portion (24) of the second conditioning group (21 ; 121) so as to allow exclusively reciprocally counter-rotating movements of the small ends (15) of the connecting rods (5 , 6 ; 105 , 106).

IPC 8 full level
D04H 18/02 (2012.01)

CPC (source: EP)
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Cited by
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