

Title (en)
UPPER-AND-LOWER FEED SEWING MACHINE

Title (de)
NÄHMASCHINE MIT ZUFUHR VON OBEN UND UNTEN

Title (fr)
MACHINE À COUDRE À ALIMENTATION SUPÉRIEURE ET INFÉRIEURE

Publication
EP 2241661 B1 20160817 (EN)

Application
EP 10159730 A 20100413

Priority
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Abstract (en)
[origin: EP2241661A2] The invention relates to an upper-and-lower feed sewing machine (100). The upper-and-lower feed sewing machine (100) includes a feed dog (1) which feeds a lower workpiece (C1), a feed foot (2) which feeds an upper workpiece (C2), a lower roller (3) moves the lower workpiece (C1) in a direction intersecting a cloth feed direction, lower driving means (4) for rotating the lower roller (3), an upper roller (7) which moves the upper workpiece (C2) in the direction intersecting the cloth feed direction, upper driving means (8) for rotating the upper roller (7), a separating plate (11) which holds the lower workpiece (C1) and the upper workpiece (C2) in cooperation with the lower roller (3) and the upper roller (7), detecting means (12) for detecting whether the workpieces (C1, C2) are in respective positions, and a control means (13) for controlling the respective driving means. The upper-and-lower feed sewing machine (100) further includes lower pressing means (6) for pressing the lower roller (3) against the lower workpiece (C1), and upper pressing means (10) for pressing the upper roller (7) against the upper workpiece (C2). The control means (13) individually controls respective amounts of current applied to the pressing means (6, 10).

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