

Title (en)

Corner knife mechanism of welting machine

Title (de)

Eckmessermechanismus einer Paspelmaschine

Title (fr)

Mécanisme de couteau d'angle pour une machine à border

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a corner knife mechanism (100A, 100B) of a welting machine (10). The corner knife mechanism (100A, 100B) includes a plurality of first corner knives (101, 102, 101A, 102A) having different cutting edge angles (α_1 , α_2) or different mounting angles (β_1 , β_2), a plurality of second corner knives (103, 104, 103A, 104A) having different cutting edge angles (α_3 , α_4) or different mounting angles (β_3 , β_4), a corner knife holder (105) on which the first and second corner knives are arranged, a knife selecting actuator (121) which moves the corner knife holder (105) in a direction (Y) along which of the first and second corner knives are arranged, a cutting actuator (131, 132) which selectively moves up and down the first and second corner knives; and an operation control means (80) which controls the knife selecting actuator (121) and the cutting actuator (131, 132) to select a combination of one of the first corner knives and one of the second corner knives and to form a corner cut. The first corner knife and the second corner knife of the combination are symmetrically oriented with respect to the cloth feeding direction (F) and have the same mounting angle (β_1 , β_3 ; β_2 , β_4) or the same cutting edge angle (α_1 , α_3 ; α_2 , α_4).

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