

Title (en)

Fabric feeding apparatus for sewing machine.

Title (de)

Stoffzuführeinrichtung für eine Nähmaschine.

Title (fr)

Mécanisme d'alimentation de tissu pour une machine à coudre.

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0394522A1] This invention relates to an apparatus for feeding a sewing machine with a textile fabric with opposite side hems. The sewing machine has a needle assembly (22) and a bobbin assembly (16) which are vertically aligned with each other to sew a textile fabric placed at a position between the needle (22) and bobbin assemblies (16). The feeding apparatus is designed to set and withdraw the fabric into and from said position. The feeding apparatus includes two sets of rotary wheels (54,56; 58,60) that can be disposed respectively at the opposite sides of the sewing machine; a pair of loop members (62) wrapped respectively around the two sets of wheels (54,56; 58,60) so that elements of each of the loop members (62) can move around the respective sets of wheels (54,56; 58,60) with at least one section of their path being horizontal, and spaced from and parallel to the horizontal section of the path of the other loop member's elements; motor drivingly connected to one of each set of wheels (54,56; 58,60) for driving the elements of the loop member (62) synchronously with those of the other so that, within the horizontal sections of the paths, the loop member's elements are moved in the same direction; and a pair of holding mechanisms, mounted respectively on the loop members (62), for holding the opposite side hems of the fabric to hold the fabric between the pair of holding mechanisms at the respective horizontal sections of the loop paths, each of the holding mechanisms including a plurality of spike members (80) disposed around the corresponding loop member, the spike members (80) being pointed upward when the spike members (80) are in the corresponding horizontal section, so as to pierce the corresponding side hem of the fabric horizontally disposed.

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