

Title (en)
DEVICE FOR EMBROIDERY MACHINES

Publication
EP 0248060 B1 19891004 (DE)

Application
EP 87900092 A 19861129

Priority
AT 354285 A 19851206

Abstract (en)
[origin: WO8703628A1] The device for fitting to embroidery machines for applying fancy material (soutache embroidery) has an axially periodically-adjustable needle bar (7) which is received by a rotatably-mounted hollow shaft (4). In the front end of the hollow shaft (4) is located a holder (23) for the material pressure foot (26) through which the material is fed. This holder (23) is connected via grooves (29) and projections (22) with the front end of the hollow shaft (4) in such a way that it can be rotated together with this hollow shaft (4), whilst being also laterally displaceable in relation to the latter. For this purpose, the end-face region of the hollow shaft (4) is accommodated by a sleeve (15) which can be angled according to operation in relation to the hollow shaft (4); this sleeve (15) is in operative relation by its inner wall with the projections (22) and the sleeve (15), by relative rotation of the sleeve (15) in relation to the hollow shaft (4), radially displaces, with its sickle-shaped or spirally profiled inner wall, the projections (22) in relation to a diametral plane of the hollow shaft (4). Freely rotatably mounted on the hollow shaft (4) is also a storage bobbin (40) for the fancy material. A strip guide component (44) is, furthermore, fixably attached to the hollow shaft (4), passing over the storage bobbin (40) for the fancy material and via which the fancy material is fed to a channel (5) which passes longitudinally through the hollow shaft (4). The fancy material is fed through this channel (5) of the hollow shaft (4) to the material pressure foot (26) and guided through the latter. This design makes it possible to dispose the fancy material in spirals with a constantly identical rotation direction, as a result of which the pattern possibilities are quite significantly enhanced and increased many times compared with those of conventional systems.

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IPC 8 full level
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CPC (source: EP KR US)
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