

Title (en)
THREADING DEVICE IN SEWING MACHINE FOR EMBROIDERY

Title (de)
EINFÄDELVORRICHTUNG FÜR STICKMASCHINEN

Title (fr)
ENFILEUR POUR MACHINE A COUDRE UTILISEE EN BRODERIE

Publication
EP 0921225 A4 20000712 (EN)

Application
EP 97933039 A 19970728

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Abstract (en)
[origin: WO9804769A1] A threading device in sewing machines for embroidery. The device comprises a thread nipping member (31) for nipping an end of a thread depending from a thread feeding pipe (28a), a thread stretching mechanism (3) for conducting to a position near a needle a thread nipped by the thread nipping member and putting the stretched thread on a thread take-up lever mechanism (4), and a threading mechanism (7) for conducting the thread to a needle hole. The threading mechanism comprises a hook member, of which a tip end is formed to be hook-shaped, a thread drawing mechanism provided on both sides of the hook member, and an air nozzle for feeding the thread nipped by the thread nipping member toward a thread insertion hole formed in a guide member of the thread drawing mechanism. The air nozzle stretches a thread on the hook member inserted into the needle hole, and both ends of the thread inserted through the thread insertion hole formed on the guide member of the threading mechanism are depressed along a side surface of the guide member by a thread depressing mechanism to be clipped on the hook member. It is possible to automatically change colored threads and fix thread breakage.

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Citation (search report)
• No further relevant documents disclosed
• See references of WO 9804769A1

Cited by
EP2447403A1; EP2824228A1; US6860212B2; US9410275B2; WO2005024109A1

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