

Title (en)
THREAD FEEDING APPARATUS FOR AN AUTOMATIC EMBROIDERING MACHINE

Title (de)
FADENZUFÜHRER FÜR AUTOMATISCHE STICKEREIMASCHINE

Title (fr)
APPAREIL D'ALIMENTATION EN FIL POUR MACHINE A BRODER AUTOMATIQUE

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Application
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Abstract (en)
[origin: WO2005118935A1] A thread feeding apparatus for an automatic embroidering machine comprises a thread supplying unit to supply one upper thread selected among a plurality of upper threads different in color; a pair of thread guides formed with a thread guiding channel to guide the upper thread supplied from the thread supplying unit, and continuously formed along a thread transferring path of the thread guiding channel, leaving a space portion; a thread take-up unit provided with a thread retainer to retain the upper thread, oscillating between a top dead point and a bottom dead point, and strengthening and releasing the tension of the upper thread; and a thread take-out unit comprising a thread take-out lever to hold and take out the upper thread passing through the space portion, and a thread take-out driver to reciprocate the thread take-out lever to put the upper thread held by the thread take-out lever into the thread retainer. Thus, the present invention provides a thread feeding apparatus for an automatic embroidering machine, which prevents an upper thread from being cut when the upper thread is replaced, and reduces time taken to replace the upper thread, thereby enhancing work efficiency.

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