

Title (en)

Method for smoothing the shuttle thread and/or the needle thread of an embroidery machine

Title (de)

Verfahren zum Glätten des Schiffchenfadens und/oder Nadelfadens einer Stickmaschine

Title (fr)

Procédé pour lisser le fil de navette et/ou le fil d'aiguille d'une machine à broder

Publication

**EP 1568811 B1 20060823 (DE)**

Application

**EP 05405013 A 20050112**

Priority

CH 2822004 A 20040220

Abstract (en)

[origin: EP1568811A1] A length of shuttle thread required for embroidery, or during embroidery the needle thread (14), is subjected to heat treatment. Smoothing of the shuttle (11) thread (13) takes place after filling the shuttle. The thread is pulled over a directly- or indirectly heated surface (23, 47). Alternatively it is irradiated by an infra-red source. It wraps a heated cylinder (47). The angle of wrapping is 30-180[deg], preferably about 60[deg]; other angles are claimed. The thread passes over a heated rail common to all embroidery locations during operation. The thread is moistened before or during smoothing. Components deliver and measure the shuttle thread, passing it over a heated surface for smoothing during tension adjustment. The corresponding embroidery machine is claimed. An independent claim is included for corresponding embroidery equipment.

IPC 8 full level

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CPC (source: EP KR)

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