

Title (en)

Method and sewing machine for drawing the free end of a needle thread from the upper surface of a piece of fabric to its lower surface

Title (de)

Verfahren zum Ziehen des freien Fadenendes eines Nadelfadens von der Oberseite eines Nähguteils auf dessen Unterseite und Nähmaschine zur Durchführung des Verfahrens

Title (fr)

Procédé pour tirer l'extrémité libre d'un fil d'aiguille depuis la surface supérieure d'un tissu vers sa surface inférieure et machine à coudre pour la mise en oeuvre de ce procédé

Publication

EP 1384806 B1 20070307 (DE)

Application

EP 03015351 A 20030708

Priority

DE 10234251 A 20020727

Abstract (en)

[origin: EP1384806A1] A sewing machine mechanism to draw the free end (83) of the upper thread (62) through the upper surface of the fabric workpiece (74,75) to the under surface on the first stitch of a stitched seam, has a needle (11) to carry the thread from its bobbin. The looper (12) forms the upper thread loop under the fabric, while the upper thread is clamped between the needle and the upper thread lever (64). At a sewing machine, the mechanism to draw the free end (83) of the upper thread (62) through the upper surface of the fabric workpiece (74,75) to the under surface on the first stitch of a stitched seam, has a needle (11) to carry the thread from its bobbin. The looper (12) forms the upper thread loop under the fabric, while the upper thread is clamped between the needle and the upper thread lever (64). While the upper thread is clamped, the presser foot (25) is at least partially relaxed for a duration which is extended on an increasing fabric thickness (s).

IPC 8 full level

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CPC (source: EP KR US)

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US 2004173132 A1 20040909; **US 6805063 B2 20041019**; AT E356239 T1 20070315; CN 100469966 C 20090318; CN 1478937 A 20040303; DE 10234251 C1 20031009; DE 50306723 D1 20070419; EP 1384806 A1 20040128; EP 1384806 B1 20070307; JP 2004057822 A 20040226; JP 4310144 B2 20090805; KR 100987843 B1 20101013; KR 20040012479 A 20040211; PT 1384806 E 20070531; SI 1384806 T1 20070831; TW 200402489 A 20040216; TW I277674 B 20070401

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