

Title (en)

Device for inserting a needle thread through the eye of a sewing machine needle

Title (de)

Vorrichtung zum Einführen des Oberfadens in das Ohr der Nadel an einer Nähmaschine

Title (fr)

Dispositif pour faire passer le fil d'aiguille à travers le chas d'une aiguille de machine à coudre

Publication

EP 1256648 A2 20021113 (DE)

Application

EP 02405137 A 20020226

Priority

CH 7872001 A 20010430

Abstract (en)

A threader comprises two guide clips that include two first sections parallel to one another and two second sections converging at an angle and adjacent to the first sections. The second sections transition into curved fourth sections whose peaks have a smaller distance from one another than the first sections. The curved fourth sections are followed by diverging fifth sections. <??>A threader (19) comprises a hook to grasp an upper thread (63); two guide clips, one located on each side of the hook; and a swivel arm that holds the hook and the guide clips and that is fastened to a lower end of a rotating guide stem and through which the hook and the guide clips are held and can be moved into and out of an area of a needle (7). The guide clips comprise two first sections that are parallel to one another and two second sections that converge at an angle and are adjacent to the first sections. The second sections transition into curved fourth sections having peaks that have a smaller distance from one another than the two adjacent first sections. The curved fourth sections are followed by diverging fifth sections.

Abstract (de)

Die Vorrichtung zum Einführen des Oberfadens in das Öhr der Nadel (7) einer Nähmaschine umfasst zwei Leitbacken (49,51), welche zwei Einführabschnitte (53,55) umfassen, welche in einer Schmalstelle enden. Die beiden Leitbacken (49,51) sind gleichartig ausgeführt und können sich beim Auffahren auf die Nadel gleichmässig spreizen und der in einer Mittelebene zu den beiden Leitbacken (49,51) liegende Fanghaken (57) wird stets exakt zentriert in das Nadelöhr (25) der Nadel (7) geleitet. Zusätzlich sind die beiden Leitbacken (49,51) um eine horizontale Achse (B) pendelnd aufgehängt. <IMAGE>

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