

Title (en)

Threading device for a needle and use of this device.

Title (de)

Einrichtung zum Einfädeln einer Nadel und Verwendung dieser Einrichtung.

Title (fr)

Dispositif pour passer un organe de préhension d'un fil dans le chas d'une aiguille à coudre et application de ce dispositif.

Publication

EP 0456606 A1 19911113 (FR)

Application

EP 91810328 A 19910430

Priority

CH 150590 A 19900503

Abstract (en)

This device comprises a support (1) in which is slidably mounted a tubular element (5) containing a rod (6) which is slidably mounted in this element and subjected to the action of a return spring (7) fixed to the support (1). The element (5) carries, on its lower end, two shells (10, 11) forming a case (9) interacting with a belt (13) integral with the rod (6), which case is attached, moreover, to the shell (11) by means of a second return spring (15). In the shell (10) is horizontally slidably mounted an element (17) carrying a hook (18) for gripping the thread, the movement of which is controlled by the conjugate action of a slide (19), integral with the belt (13), and of a stud (17a) integral with the element (17). <??>Any relative displacement of the shells (10 and 11) and of the belt (13) leads to an axial movement of the element (17) along a path such that the hook (18) is made to pass through the eye (c) of the needle (4) in order to catch hold of any thread placed on a support (22) integral with the element (17) which is fixed to the shells (10 and 11) of the case (9). <??>This device may be used for threading a thread into the eye of the needle especially of a sewing machine. <IMAGE>

IPC 1-7

D05B 87/00

IPC 8 full level

D05B 87/02 (2006.01)

CPC (source: EP US)

D05B 87/02 (2013.01 - EP US)

Citation (search report)

- [AD] GB 1184085 A 19700311 - JANOME SEWING MACHINE CO LTD [JP]
- [A] FR 1065661 A 19540528
- [AD] US 2707448 A 19550503 - REINHOLD NAAS NILS
- [AD] US 2910029 A 19591027 - HERBST EDWARD J
- PROFS

Cited by

US6067919A; WO9507383A1

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EP 0456606 A1 19911113; AU 647115 B2 19940317; AU 7635891 A 19911107; BG 60299 B2 19940425; BR 9101790 A 19911217; CA 2041612 A1 19911104; CH 683849 A5 19940531; CN 1024825 C 19940601; CN 1056323 A 19911120; CS 124791 A3 19921014; HU 911475 D0 19911128; HU T64403 A 19931228; JP H04227298 A 19920817; MX 174264 B 19940502; PT 97553 A 19930730; RU 2013475 C1 19940530; US 5143005 A 19920901; ZA 913360 B 19920325

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