

Title (en)

Sewing machine with upper thread cutting and holding mechanisms

Title (de)

Nähmaschine mit Oberfadenschneide- und Haltemechanismus

Title (fr)

Machine à broder avec mécanismes de support et de découpe de fil supérieur

Publication

EP 1967630 A1 20080910 (EN)

Application

EP 08004151 A 20080306

Priority

JP 2007055152 A 20070306

Abstract (en)

A sewing machine includes an upper thread cutting mechanism (35) having an upper thread movable blade (40) cutting an upper thread (14) extending from workpiece cloth (W) through an eye (9a) of a needle (9) above a needle plate (5), an upper moving mechanism (36) reciprocally moving the upper thread movable blade (40) between an upper side thread take-up position and an upper side thread cutting position spaced away from the upper side thread take-up position by a predetermined distance, and an upper thread holding mechanism (31) holding an end (14a) of the upper thread (14) cut by the upper thread cutting mechanism (35) when the upper thread movable blade (40) is moved reciprocally by the upper moving mechanism (36). The predetermined distance is set so as to be longer than a distance from the eye (9a) of the needle (9) to the needle plate (5).

IPC 8 full level

D05B 65/06 (2006.01)

CPC (source: EP KR)

D05B 65/00 (2013.01 - KR); **D05B 65/02** (2013.01 - KR); **D05B 65/06** (2013.01 - EP)

Citation (applicant)

- JP H0426990 A 19920130 - NEC CORP
- JP H02213385 A 19900824 - JUKI KK
- US 2004154507 A1 20040812 - NOGUCHI YASUKAZU [JP], et al
- US 2003183146 A1 20031002 - USA SHUICHIRO [JP]

Citation (search report)

- [A] US 2004154507 A1 20040812 - NOGUCHI YASUKAZU [JP], et al
- [A] US 2003183146 A1 20031002 - USA SHUICHIRO [JP]
- [A] US 2002035956 A1 20020328 - HORI MASAYUKI [JP]
- [A] US 5088426 A 19920218 - OGAWA MASAO [JP]
- [A] DE 2815297 A1 19791011 - DUERKOPPWERKE
- [A] JP 2001218992 A 20010814 - JUKI KK

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1967630 A1 20080910; **EP 1967630 B1 20100224**; AT E458848 T1 20100315; CN 101260599 A 20080910; CN 101260599 B 20120613; DE 602008000681 D1 20100408; JP 2008212443 A 20080918; KR 100983973 B1 20100927; KR 20080081843 A 20080910

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