

Title (en)  
Thread winding device of sewing machine

Title (de)  
Fadenwickelvorrichtung einer Nähmaschine

Title (fr)  
Dispositif d'enroulement de fil de machine à coudre

Publication  
**EP 2455524 A1 20120523 (EN)**

Application  
**EP 11189435 A 20111116**

Priority  
JP 2010257385 A 20101118

Abstract (en)  
There is provided a thread winding device of a sewing machine. The thread winding device includes a base portion, a driving shaft, a rotating member, a clamp member, a resistance applying member, and an operating member. The driving shaft is rotatable interlockingly with a driving source. The rotating member is supported rotatably on the base portion interlockingly with the driving shaft and having a shaft portion for removably holding a bobbin. The clamp member is supported on the rotating member and interposes a tip of a thread together with the rotating member. The resistance applying member is engageable to temporarily apply a resistance to the thread toward the clamp member. The operating member moves the resistance applying member to a position in which the thread is engaged with the resistance applying member and a position in which the thread is not engaged with the resistance applying member.

IPC 8 full level  
**D05B 59/00** (2006.01)

CPC (source: EP KR)  
**D05B 59/00** (2013.01 - EP KR); **D05B 59/02** (2013.01 - KR)

Citation (applicant)  
JP 2009183706 A 20090820 - DUERKOPP ADLER AG

Citation (search report)

- [YD] EP 2088229 A1 20090812 - DUERKOPP ADLER AG [DE]
- [Y] US 2003010270 A1 20030116 - HAYASHI MINORU [JP], et al
- [A] DE 7803296 U1 19781026
- [A] DE 2022389 A1 19711202 - JEPENER WILHELM OTTO, et al
- [A] US 3533369 A 19701013 - HEDEGAARD KRISTEN

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 11189435 A 20111116**; CN 201110374855 A 20111118; JP 2010257385 A 20101118; KR 20110118838 A 20111115;  
TW 100142100 A 20111117