

Title (en)  
THREAD TENSIONING DEVICE FOR A SEWING MACHINE

Title (de)  
FADENSPANNEINRICHTUNG FÜR EINE NÄHMASCHINE

Title (fr)  
DISPOSITIF DE TENSION DE FIL POUR UNE MACHINE À COUDRE

Publication  
**EP 3569754 B1 20200617 (DE)**

Application  
**EP 19169488 A 20190416**

Priority  
DE 102018207426 A 20180514

Abstract (en)  
[origin: JP2019198647A] To provide a thread tensioning device which is improved in effect on a thread to be stretched.SOLUTION: A thread tensioning device (32) for a sewing machine includes at least one tensioning shaft (33) configured so that a sewing thread (13) to be stretched is wound around the tensioning shaft (33). At least one tensioning unit (34, 35) interacts with the tensioning shaft (33) to produce thread tension in the path of the sewing thread (13) located downstream of the tensioning shaft (33). A thread path deflection element (38) is used to deflect the thread path of the sewing thread (13). The thread path of the thread tensioning device (32) is such that the sewing thread (13) is initially wound around the tensioning shaft (33) to produce a first thread tension contribution, then extended over the thread path deflection element (38), and then wound around the tensioning shaft (33) again to produce a second thread tension contribution.SELECTED DRAWING: Figure 3

IPC 8 full level  
**D05B 47/04** (2006.01)

CPC (source: CN EP KR)  
**D05B 19/00** (2013.01 - CN KR); **D05B 47/04** (2013.01 - CN EP KR)

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

DOCDB simple family (publication)  
**EP 3569754 A1 20191120; EP 3569754 B1 20200617**; CN 110485070 A 20191122; CN 110485070 B 20210330;  
DE 102018207426 A1 20191114; JP 2019198647 A 20191121; JP 7304201 B2 20230706; KR 102621331 B1 20240104;  
KR 20190130503 A 20191122; TW 201947079 A 20191216; TW I803631 B 20230601

DOCDB simple family (application)  
**EP 19169488 A 20190416**; CN 201910354681 A 20190429; DE 102018207426 A 20180514; JP 2019090492 A 20190513;  
KR 20190055553 A 20190513; TW 108115269 A 20190502