

Title (en)  
THREAD TRIMMER OF POST-BED SEWING MACHINE

Title (de)  
FADENABSCHNEIDER EINER SÄULENNÄHMASCHINE

Title (fr)  
DISPOSITIF POUR COUPER LE FIL DANS UNE MACHINE À COUDRE DE TYPE À COLONNE

Publication  
**EP 3301212 A3 20180620 (EN)**

Application  
**EP 17178235 A 20170627**

Priority  
TW 105131778 A 20160930

Abstract (en)  
[origin: EP3301212A2] A thread trimmer (2) of post-bed sewing machine is assembled to a feed wheel support post (231) of the sewing machine and includes a cutter set (30), a transmission device (40) and a lower shaft (24). The cutter set (30) includes a fixed cutter (31) located behind a needle hole (271) formed on a top of the feed wheel support post (231) for a sewing thread to extend therethrough, and a movable cutter (32) movably assembled to the feed wheel support post (231) and driven by the transmission device (40) to swing about a swing axis (231e) in parallel with the lower shaft (24), such that the movable cutter (32) can swing from a thread-hooking position adjacent to the needle hole (271) to a thread-trimming position for cutting the sewing thread. With these arrangements, only a relatively short loose thread end will be left on the workpiece being sewed when the sewing thread is cut by the fixed and the movable cutter.

IPC 8 full level  
**D05B 65/00** (2006.01); **D05B 65/02** (2006.01)

CPC (source: EP KR)  
**D05B 63/00** (2013.01 - KR); **D05B 65/00** (2013.01 - EP); **D05B 65/02** (2013.01 - EP); **D05B 65/06** (2013.01 - KR)

Citation (search report)

- [X] CN 205443628 U 20160810 - CHEN RUIWEN
- [X] TW M522964 U 20160601 - CHEN RUI-WEN [TW]
- [I] JP 2013042819 A 20130304 - CHEE SIANG IND CO LTD
- [A] EP 2894247 A1 20150715 - CHEE SIANG IND CO LTD [TW]
- [A] CN 204608360 U 20150902 - ZHEJIANG GEMSY MECHANICAL & ELECTRICAL CO LTD
- [A] KR 20100082720 A 20100719 - DUERKOPP ADLER AG [DE]
- [A] DE 102011052521 A1 20130214 - CHEE SIANG IND CO [TW]

Cited by  
CN109537195A; CN114318697A; CN108866847A; CN108866849A; CN113235231A; CN115821497A; WO2024108698A1

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)  
**EP 3301212 A2 20180404; EP 3301212 A3 20180620; EP 3301212 B1 20190522**; BR 102017020714 A2 20180502; JP 2018057824 A 20180412; JP 6545754 B2 20190717; KR 101916593 B1 20181107; TW 201814099 A 20180416; TW I611063 B 20180111

DOCDB simple family (application)  
**EP 17178235 A 20170627**; BR 102017020714 A 20170927; JP 2017125236 A 20170627; KR 20170082564 A 20170629; TW 105131778 A 20160930