

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

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