

Title (en)  
Retrofit for a thread supplier

Title (de)  
Ergänzungsbausatz für ein Fadenlieferwerk

Title (fr)  
Rattrapage pour un système d'appel de fil

Publication  
**EP 2570527 B1 20200226 (DE)**

Application  
**EP 12006062 A 20120825**

Previously filed application  
102011113614 20110916 DE

Priority  
DE 102011113614 A 20110916

Abstract (en)  
[origin: EP2570527A2] The feeding unit has a thread brake that is provided for generating thread tension in outer threads. The main portion is provided with an expandable addition kit (12). Stepping motors (9') are provided to rotate thread friction wheel. The stepping motors are attached to controller boxes through control lines.

IPC 8 full level  
**D01H 7/86** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP KR US)  
**D01H 7/86** (2013.01 - EP US); **D01H 13/102** (2013.01 - KR); **D01H 13/106** (2013.01 - EP US); **D01H 13/108** (2013.01 - US);  
**D07B 7/02** (2013.01 - 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 2570527 A2 20130320; EP 2570527 A3 20180110; EP 2570527 B1 20200226**; CA 2788128 A1 20130316; CN 102995185 A 20130327; CN 102995185 B 20160914; DE 102011113614 A1 20130321; ES 2790657 T3 20201028; HU E049053 T2 20200928; JP 2013063853 A 20130411; JP 5865808 B2 20160217; KR 101550739 B1 20150908; KR 20130030327 A 20130326; PL 2570527 T3 20200727; PT 2570527 T 20200506; US 2013239540 A1 20130919; US 8650849 B2 20140218

DOCDB simple family (application)  
**EP 12006062 A 20120825**; CA 2788128 A 20120829; CN 201210342112 A 20120914; DE 102011113614 A 20110916; ES 12006062 T 20120825; HU E12006062 A 20120825; JP 2012204173 A 20120918; KR 20120102124 A 20120914; PL 12006062 T 20120825; PT 12006062 T 20120825; US 201213616376 A 20120914