

Title (en)  
ROTARY ANTI-PULLBACK UNIT OF FLETCHED FINS

Title (de)  
DREHENDE RÜCKZUGSSCHUTZEINHEIT MIT BEFIEDERTEN LAMELLEN

Title (fr)  
UNITÉ ANTI-RECU ROTATIVE FORMÉE D'AILETTES DE TYPE EMPENNAGE

Publication  
**EP 2478497 A4 20130724 (EN)**

Application  
**EP 09849420 A 20090916**

Priority  
JP 2009004641 W 20090916

Abstract (en)  
[origin: WO2011033560A1] A rotary anti-pullback unit is provided which comprises a rotor (22) and a frame (43) for rotatably supporting the rotor (22). Rotor (22) comprises a plurality of disks (25) arranged coaxially in a line and in axially spaced relation to each other, and a plurality of fletched fins (26) axially protruding from at least one radial surface (25a) of disks (25) toward an opposite radial surface (25a) of the other adjoining spaced disk (25). Rotor (22) is rotated concurrently with a bill (70) transported along each outer periphery of disks (25) in contact to transported bill (70) to radially inwardly move a flexible extracting tool (71) connected to bill (70), and bring tool (71) into tangled engagement with fin or fins (26) in order to prevent unduly extraction of bill (70).

IPC 8 full level  
**G07D 9/00** (2006.01); **G07D 7/00** (2006.01); **G07D 11/00** (2006.01); **G07F 1/04** (2006.01); **G07F 19/00** (2006.01)

CPC (source: EP)  
**G07D 11/14** (2018.12); **G07D 11/225** (2018.12); **G07F 7/04** (2013.01)

Citation (search report)

- [A] US 6932208 B1 20050823 - WEN YAW-HOING [TW]
- [A] US 4504022 A 19850312 - STANG HANS-PETER [DE], et al
- [A] EP 0627107 A1 19941207 - MARS INC [US]
- [A] EP 1850294 A1 20071031 - NIPPON KINSEN KIKAI KK [JP]
- See references of WO 2011033560A1

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