

Title (en)

Marginally powered motor drive for stapling using inertial assist

Title (de)

Eine Trägheitskraft benützender, schwacher Motorantrieb zum Heften

Title (fr)

Entraînement à moteur faible pouragrafer utilisant l'effet l'inertie

Publication

EP 0829329 A1 19980318 (EN)

Application

EP 97104314 A 19970313

Priority

US 71149496 A 19960910

Abstract (en)

An electric stapler (11) is provided with current at levels which would result in marginal operation of the stapler (11), but which would be sufficient to operate the stapler (11) if the load were averaged over a cycle of operation. A flywheel is added to the stapler (11) and builds momentum during an early part of the cycle of operation. When the load on the stapler (11) increases during a later part of the cycle of operation, the flywheel is decelerated, resulting in successful operation of the stapler (11). <IMAGE>

IPC 1-7

B25C 5/15; **B27F 7/36**

IPC 8 full level

B42B 4/00 (2006.01); **B27F 7/36** (2006.01); **B65H 37/04** (2006.01)

CPC (source: EP)

B27F 7/36 (2013.01)

Citation (search report)

- [X] US 4557410 A 19851210 - HOLDEN CHESTER D [US], et al
- [A] EP 0009964 A1 19800416 - XEROX CORP [US]

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EP2251147A3; CN112319089A; EP3578313A1; US7285877B2; US8408327B2; US8434566B2; US7137541B2; US8347978B2; US7646157B2; US11738429B2; WO2019233840A1

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