

Title (en)

Apparatus for stapling having two staplers in series

Title (de)

Einrichtung zum Heften mit zwei Heftmaschinen hintereinander

Title (fr)

Appareil pour le brochage comprenant deux agrafeuses en série

Publication

EP 1593525 B1 20090701 (DE)

Application

EP 04405279 A 20040504

Priority

EP 04405279 A 20040504

Abstract (en)

[origin: EP1593525A1] The points control (1) has a supervisory control circuit with attached points drive (2) to oversee the points' position. The circuit has a first current limiter (121) with first current threshold and second current limiter (122) with second higher current threshold. The current limiters are set up so that when the points drive is locked on a fault-free state, the first and second limiters are switched over the drive in series, and only the first limiter reports a current flow and so that in the pushed up state when the points position does not correspond to its fixed nominal position, only the second limiter reports a current flow.

IPC 8 full level

B42B 2/00 (2006.01); **B42B 4/00** (2006.01); **B42C 1/12** (2006.01); **B42C 19/02** (2006.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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EP 1593525 A1 20051109; EP 1593525 B1 20090701; DE 502004009689 D1 20090813; JP 2005319804 A 20051117; JP 4700402 B2 20110615; US 2005258584 A1 20051124; US 7946566 B2 20110524

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EP 04405279 A 20040504; DE 502004009689 T 20040504; JP 2005135397 A 20050506; US 12110605 A 20050504