

Title (en)
Module for dispensing plastic fasteners

Title (de)
Abgabemodul für Kunststoffbefestigungselemente

Title (fr)
Module de distribution d'attaches en plastique

Publication
EP 2241509 B1 20120314 (EN)

Application
EP 10169457 A 20020529

Priority
• EP 02739497 A 20020529
• US 86726401 A 20010529
• US 11645102 A 20020404

Abstract (en)
[origin: WO02096757A1] A system (10) for dispensing a fastener from a reel (27) of fastener stock so as to secure a product onto a display card includes a module (29) for dispensing the fastener, a counterbalance (33) for supporting the module (29), a mounting stand (31) for supporting the counterbalance (33), a reel holder (35) for supporting the reel (27) of fastener stock and an anvil (37) for supporting the product and display card. The module includes a hollowed needle, a retractable needle guard assembly disposed over the needle, a feed mechanism for advancing the fastener into the needle, a severing mechanism for severing the fastener from the fastener stock, and an ejection mechanism for ejecting the fastener through the needle.

IPC 8 full level
B65C 7/00 (2006.01); **B25H 1/00** (2006.01)

CPC (source: EP)
B65C 7/005 (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02096757 A1 20021205; AT E549256 T1 20120315; CN 1299952 C 20070214; CN 1535230 A 20041006; DE 60237446 D1 20101007; EP 1401715 A1 20040331; EP 1401715 A4 20050727; EP 1401715 B1 20100825; EP 2241509 A1 20101020; EP 2241509 B1 20120314; ES 2382772 T3 20120613

DOCDB simple family (application)
US 0216926 W 20020529; AT 10169457 T 20020529; CN 02814812 A 20020529; DE 60237446 T 20020529; EP 02739497 A 20020529; EP 10169457 A 20020529; ES 10169457 T 20020529