

Title (en)
Electrically driven dispensing apparatus for cartridges

Title (de)
Elektrisch betriebenes Kartuschenaustraggeraet

Title (fr)
Appareil d'extrusion électrique pour cartouches

Publication
EP 1101538 A3 20041215 (DE)

Application
EP 00810989 A 20001026

Priority
CH 208199 A 19991116

Abstract (en)
[origin: EP1101538A2] To drive advance and retraction (pressure release) strokes with greater loading, a drive motor (M1) is coupled via a first gear train (40, 41) and a first dog clutch (43) to the main drive shaft (27). For lower loading and more rapid advance, the drive is coupled via a second gear train (55, 56) and drive shaft (54) through a second dog clutch (50) to the main shaft. The drive is coupled through either clutch, as required.

IPC 1-7
B05C 17/01

IPC 8 full level
B05C 17/005 (2006.01); **B05C 17/01** (2006.01); **F16D 27/12** (2006.01); **F16H 9/24** (2006.01)

CPC (source: EP US)
B05C 17/00553 (2013.01 - EP US); **B05C 17/0103** (2013.01 - EP US); **B05C 17/0133** (2013.01 - EP US)

Citation (search report)
• [DA] US 5203476 A 19930420 - KELLER WILHELM A [CH]
• [DA] US 5464128 A 19951107 - KELLER WILHELM A [CH]

Cited by
DE10312843B3; EP1627690A1; NL1026872C2; CN100435980C; KR100818137B1; US7789271B2; EP1531011A1; WO2006019299A1; EP1459809A2; US6921002B2; EP1570805A1; WO2005084579A1; US8357338B2

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

DOCDB simple family (publication)
EP 1101538 A2 20010523; **EP 1101538 A3 20041215**; JP 2001187950 A 20010710; US 6371336 B1 20020416

DOCDB simple family (application)
EP 00810989 A 20001026; JP 2000349855 A 20001116; US 70593500 A 20001106