

Title (en)
Cigarette-making machine

Title (de)
Maschine zur Herstellung von Zigaretten

Title (fr)
Machine pour la fabrication de cigarettes

Publication
EP 1844668 A3 20071128 (EN)

Application
EP 07250609 A 20070214

Priority
US 40112606 A 20060410

Abstract (en)
[origin: EP1844668A2] In one embodiment, a cigarette-making machine (100) of the tobacco-injecting type includes an improvement being a handgrip (160) that provides improved ergonomics to a user of the machine. The handgrip (160) is configured to project upward from a top surface (112) of the housing of the machine to position the user's hand distal from the compacting chamber and the hollow nipple, thereby preventing potential user injuries. Furthermore, the handgrip (160) is configured on the top surface (112) to provide the user with a convenient location to apply a downward force to the machine to prevent the machine from sliding on a surface without damaging components of the machine. In another embodiment, a cigarette-making machine (100) of the tobacco-injecting type includes an improvement being an adjustable volume compacting chamber. The cigarette-making machine may include a volume-adjusting member (170) that is configured to axially partition the compacting chamber into a tobacco-receiving portion and a vacant portion.

IPC 8 full level
A24C 5/42 (2006.01)

CPC (source: EP US)
A24C 5/425 (2013.01 - EP US)

Citation (search report)

- [X] US 2551095 A 19510501 - PAUL CHAZE
- [X] EP 0584805 A1 19940302 - EFKA WERKE KIEHN GMBH FRITZ [DE]
- [X] DE 1757504 A1 19710422 - EFKA WERKE KIEHN GMBH FRITZ
- [X] US 3688777 A 19720905 - KASTNER ARNOLD
- [X] US 5657768 A 19970819 - NEUMANN MANFRED [DE], et al
- [X] EP 1604576 A2 20051214 - COUSINS DISTRIBUTING INC [US]
- [PX] WO 2006130367 A2 20061207 - REYNOLDS TOBACCO CO R [US], et al
- [DAY] US 3127900 A 19640407 - ARNOLD KASTNER
- [X] WO 9720476 A1 19970612 - EFKA WERKE KIEHN GMBH FRITZ [DE], et al
- [X] DE 4110830 C1 19920527
- [A] EP 1421862 A1 20040526 - REPUBLIC TECHNOLOGIES NA LLC [US]
- [Y] US 4249546 A 19810210 - GATSCHMANN KLAUS [DE], et al

Cited by
NL2011190A; LU92258B1; BE1021734B1; GB2501336A; ES2426341R1; GB2501336B; AT14918U1; LU92722B1; ES2578187R1; BE1022932B1; GB2491671A; CN102813280A; NL2008137A; BE1020240A3; LU91957B1; DE102012011235B4; US9949503B2; US9179705B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1844668 A2 20071017; EP 1844668 A3 20071128; EP 1844668 B1 20090415; AT E428315 T1 20090515; AU 2007200694 A1 20071025; AU 2007200694 B2 20121101; CA 2578671 A1 20071010; CA 2578671 C 20101130; CA 2717309 A1 20071010; CA 2717309 C 20121204; CN 101495003 A 20090729; CN 101495003 B 20121128; CN 102771891 A 20121114; DE 602007000879 D1 20090528; PL 1844668 T3 20090831; US 2007235045 A1 20071011; WO 2007133230 A2 20071122; WO 2007133230 A3 20090423

DOCDB simple family (application)
EP 07250609 A 20070214; AT 07250609 T 20070214; AU 2007200694 A 20070215; CA 2578671 A 20070213; CA 2717309 A 20070213; CN 200680001642 A 20060717; CN 201210240622 A 20060717; DE 602007000879 T 20070214; PL 07250609 T 20070214; US 2006027637 W 20060717; US 40112606 A 20060410