Title (en)
INJECTING UNIT HAVING A FORCE-ABSORBING CLOSED SYSTEM

Title (de)
SPRITZEINHEIT MIT EINEM KRÄFTEAUFNEHMENDEN GESCHLOSSENEN SYSTEM

Title (fr)
UNITÉ D'INJECTION AVEC UN SYSTÈME FERMÉ RECEVANT LES FORCES

Publication
EP 2212083 A1 20100804 (DE)

Application
EP 08840963 A 20081022

Priority
• EP 2008008913 W 20081022
• DE 102007050689 A 20071022

Abstract (en)
[origin: CA2703310A1] The invention relates to an injection molding machine (110) having a closing unit (100) and an injection unit (101), wherein a frame having side walls (1) and traverses (5, 14) connecting the side walls (1) to one another absorbs the forces of the closing unit (100) as a closed system and/or wherein a frame having side walls (1) and traverses (5, 14) connecting the side walls (1) to one another absorbs the forces of the injection unit (101) as a closed unit.

IPC 8 full level
B29C 45/46 (2006.01); **B29C 45/17** (2006.01)

CPC (source: EP)
B29C 45/1761 (2013.01); **B30B 15/04** (2013.01); B29C 2045/1797 (2013.01)

Citation (search report)
See references of WO 2009053036A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007063654 A1 20090423; **DE 102007063654 B4 20110127**; CA 2703310 A1 20090430; CA 2703321 A1 20090430; CA 2703321 C 20140114; CA 2703330 A1 20090430; CA 2703330 C 20130910; CN 101903155 A 20101201; CN 101903155 B 20150218; CN 101903156 A 20101201; CN 101903156 B 20150520; CN 101903157 A 20101201; CN 101903157 B 20150218; DE 102007063653 A1 20090430; DE 102007063653 B4 20110127; EP 2212083 A1 20100804; EP 2212084 A1 20100804; EP 2212084 B1 20140305; EP 2212085 A1 20100804; EP 2212085 B1 20180718; JP 2011500380 A 20110106; JP 2011500381 A 20110106; JP 2011501709 A 20110113; JP 5065496 B2 20121031; JP 5065497 B2 20121031; JP 5065498 B2 20121031; WO 2009053035 A1 20090430; WO 2009053036 A1 20090430; WO 2009053045 A1 20090430

DOCDB simple family (application)
DE 102007063654 A 20071022; CA 2703310 A 20081022; CA 2703321 A 20081022; CA 2703330 A 20081022; CN 200880121414 A 20081022; CN 200880121415 A 20081022; CN 200880121427 A 20081022; DE 102007063653 A 20071022; EP 08840963 A 20081022; EP 08841848 A 20081022; EP 08842125 A 20081022; EP 2008008912 W 20081022; EP 2008008913 W 20081022; EP 2008008929 W 20081022; JP 2010530327 A 20081022; JP 2010530328 A 20081022; JP 2010530335 A 20081022