

Title (en)
INJECTOR AND DUAL-CHAMBER SYSTEM HAVING STERILE COMPONENTS

Title (de)
INJEKTOR UND ZWEI-KAMMER-SYSTEM MIT STERILEN KOMPONENTEN

Title (fr)
INJECTEUR ET SYSTÈME À DEUX CHAMBRES AVEC COMPOSANTS STÉRILES

Publication
EP 2341959 A1 20110713 (DE)

Application
EP 09778025 A 20090821

Priority
• EP 2009006066 W 20090821
• DE 102008048981 A 20080925

Abstract (en)
[origin: WO2010034381A1] The invention relates to a single-use injector (4) and a dual-chamber system (99), wherein at least one first chamber (105) is part of a cylinder-piston unit (100) that can be received in the single-use injector, and wherein the second chamber (255) is part of a container (250) that can be at least temporarily closed by means of a stopper (257) and that is inserted in a container adapter (200) releasably supported on the single-use injector. To this end, the plug comprises a plug hole. The container adapter comprises a transfer tube that is closed at first. When the container is inserted in the container adapter, the transfer tube (242) connects the interior of the cylinder-piston unit to the interior of the container.

IPC 8 full level
A61J 1/20 (2006.01); **A61M 5/178** (2006.01); **A61M 5/30** (2006.01)

CPC (source: EP US)
A61J 1/2096 (2013.01 - EP US); **A61M 5/1782** (2013.01 - EP US); **A61M 5/30** (2013.01 - EP US); **A61J 1/201** (2015.05 - EP US); **A61J 1/2051** (2015.05 - EP US); **A61M 5/2033** (2013.01 - EP US); **A61M 2005/2073** (2013.01 - EP US); **A61M 2005/31508** (2013.01 - EP US)

Citation (search report)
See references of WO 2010034381A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010034381 A1 20100401; AR 073395 A1 20101103; DE 102008048981 A1 20100415; EP 2341959 A1 20110713; JP 2012503506 A 20120209; JP 5579185 B2 20140827; TW 201026351 A 20100716; US 2011152758 A1 20110623; US 8708951 B2 20140429

DOCDB simple family (application)
EP 2009006066 W 20090821; AR P090103659 A 20090923; DE 102008048981 A 20080925; EP 09778025 A 20090821; JP 2011528201 A 20090821; TW 98132088 A 20090923; US 93226811 A 20110222