

Title (en)  
FLUID PRODUCT DISPENSER

Title (de)  
FLÜSSIGPRODUKTSPENDER

Title (fr)  
DISTRIBUTEUR DE PRODUIT FLUIDE

Publication  
**EP 2707305 A1 20140319 (FR)**

Application  
**EP 12731024 A 20120510**

Priority  
• FR 1154179 A 20110513  
• FR 2012051029 W 20120510

Abstract (en)  
[origin: US2012285991A1] A fluid dispenser comprising: a fluid reservoir including a neck defining an opening; and a dispenser member, such as a pump or a valve, including a body that is held in stationary manner in the opening of the reservoir, defining an annular gap between the neck and the body; a source of radiation being disposed in the annular gap.

IPC 8 full level  
**F21V 33/00** (2006.01); **B05B 11/00** (2006.01); **B05B 15/00** (2006.01); **B65D 51/24** (2006.01)

CPC (source: EP US)  
**B05B 11/1001** (2023.01 - EP US); **B05B 15/00** (2013.01 - EP US); **B05B 11/10** (2023.01 - EP US); **B05B 11/1049** (2023.01 - EP US)

Citation (search report)  
See references of WO 2012156619A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2012285991 A1 20121115; US 8875946 B2 20141104**; BR 112013024483 A2 20161227; BR 112013024483 B1 20200526; CN 103502106 A 20140108; CN 103502106 B 20151125; EP 2707305 A1 20140319; EP 2707305 B1 20160713; ES 2594803 T3 20161222; FR 2975086 A1 20121116; FR 2975086 B1 20130628; WO 2012156619 A1 20121122

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**US 201213468699 A 20120510**; BR 112013024483 A 20120510; CN 201280020917 A 20120510; EP 12731024 A 20120510; ES 12731024 T 20120510; FR 1154179 A 20110513; FR 2012051029 W 20120510