

Title (en)  
DISPENSER AND SPRAY DEVICE HAVING THE SAME

Title (de)  
SPENDER UND DIESEN ENTHALTENDE SPRÜHVORRICHTUNG

Title (fr)  
DISTRIBUTEUR ET DISPOSITIF DE PULVÉRISATION LE POSSÉDANT

Publication  
**EP 3219407 A1 20170920 (EN)**

Application  
**EP 16186187 A 20160829**

Priority  
TW 105108378 A 20160318

Abstract (en)  
A dispenser (6) includes a main body (7) having a mixingchamber (71) that has a spray opening (711) adapted to be connected to a nozzle mechanism (2) of a die casting machine, a release agent input passage (75) that has at least one release agent hole portion (752) communicating with the mixing chamber (71), a water input passage (76) that has at least one water hole portion (761) communicating with the mixing chamber (71), and an air input passage (77) that has at least one air hole portion (771) communicating with the mixing chamber (71), and disposed upstream of the at least one release agent holeportion (752) and the at least one water hole portion (761) . The dispenser (6) further includes two valve units (8). Each of the valve units (8) is operable to open and close a respective one of the release agent input passage (75) and the water input passage (76).

IPC 8 full level  
**B05B 7/04** (2006.01); **B05B 12/14** (2006.01); **B22C 23/02** (2006.01); **B22D 17/20** (2006.01); **B22D 17/22** (2006.01)

CPC (source: CN EP KR)  
**B22C 23/02** (2013.01 - EP); **B22D 17/2007** (2013.01 - CN EP KR); **B22D 17/2218** (2013.01 - CN EP KR); **B22D 17/32** (2013.01 - KR); **B05B 7/0466** (2013.01 - EP); **B05B 7/0483** (2013.01 - EP); **B05B 12/14** (2013.01 - EP)

Citation (search report)

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- [Y] TW M419090 U 20111221 - ZITAI PREC MACHINERY CO LTD [TW]
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Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3219407 A1 20170920**; **EP 3219407 B1 20190605**; CN 107199322 A 20170926; CN 107199322 B 20190524; CN 205587628 U 20160921; JP 2017170423 A 20170928; JP 6219479 B2 20171025; KR 101890995 B1 20180822; KR 20170108777 A 20170927; TW 201733710 A 20171001; TW I583463 B 20170521

DOCDB simple family (application)  
**EP 16186187 A 20160829**; CN 201610234794 A 20160415; CN 201620318621 U 20160415; JP 2016200716 A 20161012; KR 20160135616 A 20161019; TW 105108378 A 20160318