

Title (en)  
SPRAY GUN AND PORTABLE MIST-GENERATING APPARATUS

Title (de)  
SPRITZPISTOLE UND TRAGBARER NEBELERZEUGER

Title (fr)  
PISTOLET DE PULVÉRISATION ET APPAREIL DE PRODUCTION DE BROUILLARD PORTABLE

Publication  
**EP 2624961 B1 20180314 (EN)**

Application  
**EP 11778934 A 20111010**

Priority  
• GB 201016967 A 20101008  
• GB 2011001459 W 20111010

Abstract (en)  
[origin: WO2012046010A1] A spray gun (3) is provided, which comprises an twin fluid atomising nozzle (50) which atomises a process fluid by interaction with a driving fluid. The nozzle (50) including a driving fluid passage having a driving fluid inlet, a driving fluid outlet, and a throat portion intermediate the driving fluid inlet and driving fluid outlet. The throat portion has a cross sectional area which is less than that of both the driving fluid inlet and the driving fluid outlet. The nozzle (50) also includes a process fluid outlet located at, or downstream of, the driving fluid throat. The spray gun (3) further comprises a flow adjustment device (70) connectable to supplies of the driving and process fluids. The flow adjustment device (70) is adapted to selectively vary the ratio of process fluid to driving fluid supplied to the nozzle (50). A mist-generating apparatus incorporating this spray gun (3) is also provided.

IPC 8 full level  
**B05B 1/16** (2006.01); **B05B 7/00** (2006.01); **B05B 7/04** (2006.01); **B05B 7/12** (2006.01); **B05B 7/24** (2006.01); **B05B 12/00** (2018.01)

CPC (source: EP US)  
**A62C 31/03** (2013.01 - EP); **A62C 31/07** (2013.01 - EP); **B05B 1/1654** (2013.01 - EP); **B05B 7/0037** (2013.01 - EP); **B05B 7/0491** (2013.01 - EP); **B05B 7/1209** (2013.01 - EP); **B05B 7/2421** (2013.01 - EP); **B05B 7/2437** (2013.01 - EP); **B05B 7/2475** (2013.01 - EP); **B05B 12/0022** (2018.07 - EP US)

Citation (examination)  
WO 2009147443 A2 20091210 - PURSUIT DYNAMICS PLC [GB], et al

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

DOCDB simple family (publication)  
**WO 2012046010 A1 20120412**; CA 2812581 A1 20120412; CA 2812581 C 20181127; EP 2624961 A1 20130814; EP 2624961 B1 20180314; GB 201016967 D0 20101124; TW 201233450 A 20120816

DOCDB simple family (application)  
**GB 2011001459 W 20111010**; CA 2812581 A 20111010; EP 11778934 A 20111010; GB 201016967 A 20101008; TW 100136688 A 20111011