

Title (en)  
AEROSOL GENERATORS

Title (de)  
AEROSOLERZEUGER

Title (fr)  
GÉNÉRATEURS D'AÉROSOL

Publication  
**EP 2794964 B1 20160302 (EN)**

Application  
**EP 12812228 A 20121219**

Priority  
• US 201161578645 P 20111221  
• IE 20110562 A 20111221  
• EP 2012076135 W 20121219

Abstract (en)  
[origin: WO2013092701A1] An aperture plate is formed from a palladium nickel alloy comprising about 89% palladium and about 11% nickel. There is a generally fine substantially equiaxed grain microstructure throughout the thickness of the aperture plate. The average grain width (W) is in the range of from 0.2 mum to 5.0 mum, in some cases from 0.2 mum to 2.0 mum. Because the grain structure is equiaxed (L/W =1) the grain length (L) is the same as the grain width. The improved aperture plate extends the life of nebulisers, eliminates the risk of premature and unpredictable failure of a nebuliser in service, eliminates the risk of product returns from hospitals and patients, and eliminates the possible risk of fragments of the aperture plate breaking free from the nebulizer.

IPC 8 full level  
**C25D 3/56** (2006.01); **C22C 5/04** (2006.01)

CPC (source: CN EP)  
**B05B 17/0646** (2013.01 - CN EP); **B05B 17/0669** (2013.01 - CN EP); **C22C 5/04** (2013.01 - CN EP); **C25D 1/10** (2013.01 - CN EP); **C25D 3/567** (2013.01 - CN EP)

Citation (examination)  
EP 2607524 A1 20130626 - STAMFORD DEVICES LTD [IE]

Cited by  
EP3042982A1

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 2013092701 A1 20130627**; CN 104302813 A 20150121; CN 104302813 B 20170721; EP 2794964 A1 20141029; EP 2794964 B1 20160302; EP 3042982 A1 20160713; JP 2015511988 A 20150423; JP 6368247 B2 20180801; RU 2014121781 A 20160210

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**EP 2012076135 W 20121219**; CN 201280063802 A 20121219; EP 12812228 A 20121219; EP 16156955 A 20121219; JP 2014547972 A 20121219; RU 2014121781 A 20121219