

Title (en)
AEROSOL GENERATORS

Title (de)
AEROSOLERZEUGER

Title (fr)
GÉNÉRATEURS D'AÉROSOL

Publication
EP 3042982 A1 20160713 (EN)

Application
EP 16156955 A 20121219

Priority
• US 201161578645 P 20111221
• IE 20110562 A 20111221
• EP 12812228 A 20121219

Abstract (en)
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 μm to 5.0 μm , in some cases from 0.2 μm to 2.0 μm . 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)

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Citation (applicant)
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DOCDB simple family (application)
EP 2012076135 W 20121219; CN 201280063802 A 20121219; EP 12812228 A 20121219; EP 16156955 A 20121219; JP 2014547972 A 20121219; RU 2014121781 A 20121219