

Title (en)
Aerosol generators

Title (de)
Aerosolerzeuger

Title (fr)
Générateurs d'aérosol

Publication
EP 2607524 B1 20140910 (EN)

Application
EP 11394026 A 20111221

Priority
EP 11394026 A 20111221

Abstract (en)
[origin: EP2607524A1] An aperture plate (10) 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 2.0 μm , in some cases from 0.2 μm to 1.0 μm . For optimum results the average grain width is approximately 0.5 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 (10) 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); **B05B 17/06** (2006.01); **C22C 5/04** (2006.01)

CPC (source: EP)
B05B 17/0646 (2013.01); **C22C 5/04** (2013.01); **C25D 1/08** (2013.01); **C25D 3/567** (2013.01)

Cited by
EP3042982A1; EP2794964B1; EP3075271B1; EP3075271B2

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