

Title (en)
Aerosol generators

Title (de)
Aerosolerzeuger

Title (fr)
Générateurs d'aérosol

Publication
EP 2607524 A1 20130626 (EN)

Application
EP 11394026 A 20111221

Priority
EP 11394026 A 20111221

Abstract (en)
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
B05B 17/06 (2006.01); **C22C 5/04** (2006.01); **C25D 3/56** (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)

Citation (applicant)
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