

Title (en)  
DEVICE OF CREATING AEROSOLIZED MIST OF RESPIRATORY DRUG

Title (de)  
VORRICHTUNG ZUM HERSTELLEN VON AEROSOLNEBEL FÜR ATMUNGSERLEICHTERENDE MEDIZIN

Title (fr)  
APPAREIL DE CREATION D'UN BROUILLARD D'AEROSOL D'UN MEDICAMENT RESPIRATOIRE

Publication  
**EP 0788387 A1 19970813 (EN)**

Application  
**EP 95938938 A 19951027**

Priority  
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• US 33092994 A 19941028

Abstract (en)  
[origin: WO9613292A1] Devices are hand held, self-contained units which are automatically actuated at the same release point in a patient's inspiratory flow cycle. Actuation of the device forces respiratory drug through a porous membrane (3) of the container (1) which membrane has pores having a diameter in the range of about 0.25 microns to 6.0 microns. The porous membrane (3) is positioned in alignment with a surface of a channel (6) through which a patient (10) inhales air. The flow profile (12) of air moving through the channel is such that the flow at the surface of the channel is less than the flow rate at the center of the channel. The membrane is designed so that it protrudes outward at all times or is made flexible so that when respiratory drug formulation (5) is forced against and through the membrane, the flexible membrane protrudes outward beyond the flow boundary layer (13) of the channel into faster moving air.

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