

Title (en)
ELECTROSTATIC ATOMISER

Title (de)
ELEKTROSTATISCHER ZERSTÄUBER

Title (fr)
PULVERISATEUR ELECTROSTATIQUE

Publication
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Application
EP 06755724 A 20060706

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Abstract (en)
[origin: WO2007007050A1] The present invention relates to (with reference to Figure 1) an electrostatic fluid atomiser which has a fluid inlet (2) and a fluid channel (3) leading fluid to a wall (6) in which orifices (100) are formed. Fluid passing out of the orifices (100) is atomised into droplets which fall into a first set of larger droplets (12) and a second set of smaller droplets (13) . Two charging electrodes (4,6) charge fluid passing through the channel (3) . A droplet separator (200) has a separator electrode (16) which applies an electrical force on the droplets and deflects the smaller droplets (13) to be collected by a droplet collector (15) while the larger droplets (12) continue undeflected out of a droplet (201) of the atomiser.

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