

Title (en)
AGRICULTURAL AND OTHER SPRAYING SYSTEMS

Title (de)
LANDWIRTSCHAFTLICHE UND ANDERE SPRÜHSYSTEME

Title (fr)
SYSTEMES DE PULVERISATION AGRICOLES ET AUTRES

Publication
EP 0855938 B1 20020731 (EN)

Application
EP 96935135 A 19961031

Priority

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- GB 9603156 A 19960215
- GB 9616254 A 19960801
- GB 9619260 A 19960916

Abstract (en)
[origin: WO9716257A1] A method and apparatus for droplet generation in agricultural or other spraying comprises supplying air and liquid to a supply chamber (28, 102) having an outlet orifice (38, 114), and entraining the liquid in the air flow for droplet formation. Air and liquid are injected into the supply chamber which has a closed end wall (42, 108) on which the liquid forms a continuous film which moves outwards towards the orifice for droplet formation thereat. The supply of air and liquid to a chamber wall (42, 108) or target from which the liquid proceeds with direction change to an entrainment outlet at suitable pressures causes droplets formed to have a droplet size particularly suitable for effective coating of plant material and the momentum provided to the droplets by the air enables controlled direction of the resulting spray mist even at very low liquid volumes per hectare.

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WO 9716257 A1 19970509; AT E221417 T1 20020815; AU 713843 B2 19991209; AU 7321396 A 19970522; CN 1092545 C 20021016; CN 1200685 A 19981202; DE 69622733 D1 20020905; DE 69622733 T2 20030403; DK 0855938 T3 20021111; EP 0855938 A1 19980805; EP 0855938 B1 20020731; ES 2180801 T3 20030216; GB 9619260 D0 19961030; JP 2000504990 A 20000425

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