

Title (en)

ELECTROSTATIC SPUTTERING OR SPRAYING OF ELECTRICALLY CONDUCTIVE FLUIDS, E.G. PLANT TREATING AGENTS

Publication

EP 0125589 B1 19860813 (DE)

Application

EP 84105100 A 19840505

Priority

DE 3317650 A 19830514

Abstract (en)

[origin: EP0125589A1] 1. Apparatus for safely applying drops, via a spraying system, such as a spray nozzle, an atomizing nozzle or a rotary atomizer, from a volume of liquid which is charged by means of one or more high-voltage generators, wherein a) the entire volume of liquid under high voltage is contained within a tank (1) and one or more lines (8), both tank and lines being made of a highly electrically insulating material, and b) the tank (1) made of a highly electrically insulating material and the lines (8) are surrounded externally by a conductive or non-chargeable, earthed covering (3) which prevents electrical forces acting on persons or near-by components of the equipment.

IPC 1-7

B05B 5/02; B05D 1/04; A01M 7/00

IPC 8 full level

A01M 7/00 (2006.01); **B05B 5/04** (2006.01); **B05B 5/16** (2006.01); **B05D 1/04** (2006.01)

CPC (source: EP)

B05B 5/0403 (2013.01); **B05B 5/0418** (2013.01); **B05B 5/1608** (2013.01); **B05B 5/1625** (2013.01)

Cited by

EP0701867A1; US5844364A; FR2671742A1; US5199650A; WO2020154653A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0125589 A1 19841121; **EP 0125589 B1 19860813**; AT E21342 T1 19860815; DE 3317650 A1 19841115; DE 3460469 D1 19860918

DOCDB simple family (application)

EP 84105100 A 19840505; AT 84105100 T 19840505; DE 3317650 A 19830514; DE 3460469 T 19840505