

Title (en)  
HIGH ROTATION ATOMISER FUNCTIONING WITH INTERNAL CHARGING

Title (de)  
MIT INNENAUFCHARGUNG ARBEITENDER HOCHROTATIONSZERSTÄUBER

Title (fr)  
PULVÉRISATEUR ROTATIF À GRANDE VITESSE À CHARGEMENT INTERNE

Publication  
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Application  
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Abstract (en)  
[origin: WO2015082040A1] A high rotation atomizer (1) functioning with inner charging comprises, in a known manner, a high-voltage circuit (3) which generates a high voltage that can be applied to a bell cup (6), from a low voltage. In a known manner, this high-voltage circuit (3) comprises a measuring resistor (14) in a circuit path between the turbine casing (7) of the turbine driving the bell cup (6) and ground. A first measuring voltage can be tapped at this first measuring resistor (14), which voltage is a measure for the voltage applied at the turbine casing (7). According to the invention, a second measuring resistor (10) is placed in a circuit path between the turbine casing (7) and ground. A second measuring voltage is tapped at this resistor, which is likewise a measure for the voltage applied at the turbine casing (7). If the information gained from the two measuring voltages deviates too strongly from each other, then the control device (13) triggers an error signal. By this means, the safety of the entire system is increased.

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