

Title (en)  
ATOMIZER NOZZLE

Title (de)  
ZERSTÄUBERDÜSE

Title (fr)  
BUSE DE PULVÉRISATION

Publication  
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Application  
**EP 14784032 A 20141009**

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Abstract (en)  
[origin: WO2016055115A1] The invention relates to an atomizer nozzle (10) with a liquid channel (19) to which an annular mixing chamber (26) is fluidically connected downstream of the liquid channel. A liquid (F) is supplied to the liquid channel (19) via a liquid connection (12). The atomizer nozzle (10) additionally has a gas connection (13) which is connected to a gas line system (28). Pressurized gas (L) is conducted to an outer injection channel (29) and an inner injection channel (34) via the gas line system. Each of the two injection channels (29, 34) opens into the annular mixing chamber (26) at a respective injection point (30, 35). The outer injection point (30) is provided on the radially outer mixing chamber wall, and the inner injection point (35) is provided on the radially inner mixing chamber wall. The inflowing liquid can thus be finely atomized using little pressurized gas (L) in the annular mixing chamber (26) and dispensed downstream of the annular mixing chamber via at least one outlet opening (40) in the form of a respective spray jet (S).

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Cited by  
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