

Title (en)
PNEUMATIC ATOMIZING NOZZLE

Title (de)
ZWEISTOFFDÜSE

Title (fr)
BUSE BIMATIÈRE

Publication
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Application
EP 14783810 A 20141009

Priority
EP 2014071692 W 20141009

Abstract (en)
[origin: WO2016055116A1] The invention relates to a pneumatic atomizing nozzle (10), which preferably can be supplied with gas and operated by means of a fan (43). The pneumatic atomizing nozzle (10) has a nozzle body (11), which bounds a flow space (21). The pneumatic atomizing nozzle (10) also has a liquid channel (27) having an outlet opening (38). Within the flow space (21), a liquid film (41) is formed, which is transported within the flow space (21) to the nozzle outlet (17) by the gas flow. The outlet opening (38) of the liquid channel (27) defines an outlet direction (A) for the liquid into the flow space (21), which outlet direction preferably is opposite the flow direction (S) of the liquid film (41). At least in some sections, the liquid channel (27) and the outlet opening (38) thereof preferably extend transversely through the nozzle body (11) in a curved, wound, or meandering manner.

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