

Title (en)
NOZZLE FOR JETTING A SELF-VIBRATORY FLUID STREAM.

Title (de)
DÜSE ZUM SPRITZEN EINES SELBSTSCHWINGENDEN FLUIDSTROMS.

Title (fr)
BUSE DE PROJECTION D'UN JET DE FLUIDE AUTOVIBRANT.

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Application
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Priority

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Abstract (en)
[origin: WO9102594A1] A nozzle for jetting self-vibratory fluid stream, which comprises a main nozzle for forming a jet stream, side walls for producing eddies on the right and left sides of the jet stream while preventing the stream from sticking thereto, and claw-like portions contiguous to the side walls for dividing and dispersing the jet stream, so as to adapt the jet stream to curve to cause self-vibration by means of alternately generated eddies in the right or left space between the side wall and the jet stream and pressure difference caused by absorptive effect arising from wake, and to disperse the jet stream with the claw-like portions for spraying the fluid around widely, is very useful as a jet nozzle for the water spraying device and cleaning machine. Recognizing the importance of the claw-like portions at the outlet port of the self-vibratory fluid stream jetting nozzle as above, this invention provides a self-vibratory stream jetting nozzle usable for a long term, in which the claw-like portion is rounded or provided with a straight linear part rounded at the end thereof or the cross-section of the output port is curved inwardly so that flowing efficiency is raised with flowing loss reduced and variation in characteristics resulting from wear of the claw-like portion may be prevented.

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