

Title (en)  
NOZZLE FOR COMPRESSED AIR

Title (de)  
DÜSE FÜR DRUCKLUFT

Title (fr)  
BUSE À AIR COMPRIMÉ

Publication  
**EP 3983132 A4 20230712 (EN)**

Application  
**EP 20812539 A 20200520**

Priority  
• FI U20190062 U 20190527  
• FI 2020050336 W 20200520

Abstract (en)  
[origin: WO2020240080A1] A nozzle for compressed air, comprising a body (1 ) which comprises a plurality of air channels (12) of the body (1 ), a fixed nozzle (2) which is immovably connected to the body (1) and which comprises a plurality of air channels (22) of the fixed nozzle (2), a turbine part (4) which is adapted to rotate in relation to the body (1), and a rotating nozzle (3) which is immovably coupled to the turbine part (4) and which comprises a plurality of grooves (34). At a first phase, the air stream is adapted to run along the plurality of air channels (12) of the body (1 ) to the turbine part (4), and at a second phase, along the plurality of the air channels (22) of the fixed nozzle (2) out of the turbine part (4), and after the air channels (22) of the fixed nozzle (2) out of the compressed-air nozzle through the grooves (34) of the rotating nozzle (3), whereby the air stream is more turbulent than prior to the first phase.

IPC 8 full level  
**B05B 3/10** (2006.01); **B05B 3/02** (2006.01); **B05B 12/00** (2018.01); **B08B 5/02** (2006.01)

CPC (source: EP)  
**B05B 1/005** (2013.01); **B05B 3/0427** (2013.01); **B08B 5/02** (2013.01)

Citation (search report)  
• [X1] JP H0780361 A 19950328 - SUPUREINGU SYST DOITSUCHIYURAN  
• [X1] CN 207491284 U 20180612 - SUZHOU HAIXIN ELECTROMECHANICS IND EQUIPMENT CO LTD  
• See also references of WO 2020240080A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2020240080 A1 20201203**; EP 3983132 A1 20220420; EP 3983132 A4 20230712; EP 3983132 B1 20241023; EP 3983132 C0 20241023; FI 12466 U1 20190913

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