

Title (en)
ATOMIZER

Publication
EP 0227715 B1 19930324 (EN)

Application
EP 86903285 A 19860623

Priority
DK 283685 A 19850624

Abstract (en)
[origin: WO8700078A1] An atomizer for atomization of a first fluid within another fluid is of the kind where in a channel, which guides the second fluid, a wingshaped atomizer (1) means is comprised with an aperture (4) leading from one flat side of the wingshaped atomizer means to the other flat side (11, 11A, 12, 12A) thereof, and where the wingshaped means comprises at least one through channel which from a side wall opening in the through aperture (4) extends to a supply channel or to a tube means for the supply of the first fluid to the atomizer, and where the wingshaped atomizer means at the through aperture (4), preferably at the side (9) which is orientated away therefrom from the direction of flow of the second fluid and preferably being present at both of the flat sides of the wingshaped means, has a smaller wing thickness (11A, 12A) of the wingshaped means and comprising a towards the through aperture orientated rounded off or sharpened wingshape-leading-edge-like edge (9). To achieve a better atomizing, also when only one supply side wall opening in the through aperture (4) is comprised, the through aperture (4) comprises a to the last mentioned edge (9) opposite and in any rate somewhat or mainly oblique positioned side wall (8) of the aperture (4). These (8, 9), connecting the lateral walls (6, 7), may have unequal lengths and may be oblique positioned, just as the outer contours of the wingshaped means (1) completely or partly or for portions thereof may be shaped in conformity with the side walls (8, 9, 6, 7) of the through aperture (4).

IPC 1-7
B01F 5/06

IPC 8 full level
B01F 5/04 (2006.01); **B01F 5/06** (2006.01); **B05B 7/00** (2006.01)

CPC (source: EP)
B01F 25/313 (2022.01); **B05B 7/0075** (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
WO 8700078 A1 19870115; AT E87232 T1 19930415; AU 5994086 A 19870130; DE 3688127 D1 19930429; DE 3688127 T2 19931021; DK 155175 B 19890227; DK 155175 C 19890918; DK 283685 A 19861225; DK 283685 D0 19850624; EP 0227715 A1 19870708; EP 0227715 B1 19930324

DOCDB simple family (application)
DK 8600073 W 19860623; AT 86903285 T 19860623; AU 5994086 A 19860623; DE 3688127 T 19860623; DK 283685 A 19850624; EP 86903285 A 19860623