

Title (en)
ROTARY EDDY MACHINE

Title (de)
SEITENKANALMASCHINE

Title (fr)
MACHINE TOURBILLONNAIRE ROTATIVE

Publication
EP 1193369 A4 20021023 (EN)

Application
EP 00919186 A 20000414

Priority

- RU 0000132 W 20000414
- RU 99109484 A 19990512
- RU 99119419 A 19990902

Abstract (en)
[origin: EP1193369A1] The rotary-vortex machine contains stator (1) and rotor (2). The rotor and stator form between them torus-type working cavity (3), which has blades (4) and separator (5) connected accordingly to the stator and rotor. The working cavity is connected to channel (6) to supply the working medium, arranged in the rotor, and to channel (7) for removal of the working medium. A section width of the working cavity is equal to a difference of the maximum and minimum radii of the working cavity determined accordingly as a distance from the axis to the most remote point of the working cavity and distance from the axis to the nearest point. A ratio of the maximum radius of the working cavity (R) to its section width (h) is no less than 4.5 and no more than 9.5. <IMAGE>

IPC 1-7
F01D 1/02; **F01D 9/02**; **F04D 5/00**; **F04D 23/00**

IPC 8 full level
F01D 1/02 (2006.01); **F01D 1/34** (2006.01); **F01D 1/36** (2006.01); **F04D 5/00** (2006.01); **F04D 29/18** (2006.01)

CPC (source: EP)
F01D 1/02 (2013.01); **F01D 1/34** (2013.01); **F01D 1/36** (2013.01); **F04D 5/002** (2013.01); **F04D 29/188** (2013.01)

Citation (search report)

- [A] US 5328325 A 19940712 - STROHL WILLI [US], et al
- [A] US 2042499 A 19360602 - BRADY FRANCIS E
- [A] US 3685287 A 19720822 - DOOLEY JAMES L
- See references of WO 0070189A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1193369 A1 20020403; **EP 1193369 A4 20021023**; **EP 1193369 B1 20050907**; AT E304117 T1 20050915; AU 3989700 A 20001205; DE 60022510 D1 20051013; DE 60022510 T2 20060713; DK 1193369 T3 20051114; WO 0070189 A1 20001123

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