

Title (en)  
Regenerative heat-exchanger

Title (de)  
Regenerativ-Wärmetauscher

Title (fr)  
Echangeur de chaleur à régénération

Publication  
**EP 0588185 B1 19980107 (DE)**

Application  
**EP 93114189 A 19930904**

Priority  
DE 4230133 A 19920909

Abstract (en)  
[origin: EP0588185A1] In a regenerative heat exchanger with a rotating rotor having radially and axially sealed-off storage masses, a high degree of tightness is achieved and leakages are largely avoided if the housing (12) surrounding the rotor (3) axially and the separating zones (14) arranged radially between the heat-exchanging media are designed as blocking chambers (circumferential or radial chambers 13, 13a, 13b or 15). Such a regenerative heat exchanger allows an operating mode such that sucking off, blocking, blowing out or sucking in can take place at respective tight points in a controlled and appropriate manner in accordance with the pressure conditions prevailing locally in the heat exchanger. <IMAGE>

IPC 1-7  
**F28D 19/04**

IPC 8 full level  
**F23L 15/02** (2006.01); **F28D 19/04** (2006.01)

CPC (source: EP)  
**F28D 19/047** (2013.01)

Cited by  
DE102016011918B4; DE102016011918A1; EP2177855A1; WO2006120371A1; WO2004111563A1; EP2199724A1

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

DOCDB simple family (publication)  
**EP 0588185 A1 19940323; EP 0588185 B1 19980107**; AT E161942 T1 19980115; AU 4463193 A 19940317; AU 667385 B2 19960321; BR 9303726 A 19940322; CZ 186493 A3 19940413; CZ 291069 B6 20021211; DE 4230133 A1 19940310; DE 59307922 D1 19980212; DK 0588185 T3 19980907; ES 2113457 T3 19980501; HU 9302529 D0 19940128; HU T65211 A 19940502; JP H0712477 A 19950117; MX 9305497 A 19940531; PL 300234 A1 19940321; PL 56220 Y1 19980731; RU 2119127 C1 19980920; UA 35561 C2 20010416; ZA 936296 B 19950209

DOCDB simple family (application)  
**EP 93114189 A 19930904**; AT 93114189 T 19930904; AU 4463193 A 19930813; BR 9303726 A 19930908; CZ 186493 A 19930908; DE 4230133 A 19920909; DE 59307922 T 19930904; DK 93114189 T 19930904; ES 93114189 T 19930904; HU 9302529 A 19930907; JP 22364293 A 19930908; MX 9305497 A 19930908; PL 10648693 U 19930830; PL 30023493 A 19930830; RU 93044909 A 19930908; UA 93003217 A 19930820; ZA 936296 A 19930827