

Title (en)
Regenerative heat exchanger

Title (de)
Regenerativ-Wärmetauscher

Title (fr)
Echangeur de chaleur régénératif

Publication
EP 0714010 A3 19970709 (DE)

Application
EP 95118109 A 19951117

Priority
DE 4442055 A 19941125

Abstract (en)
[origin: EP0714010A2] The heat exchanger has fixed or circulating storage masses (3), and at least one turning cleaning device. The free end of the turning arm (14) of this device, which is also a blowing tube, has an offset part with at least two blowing jets (19). It enables a constant consumption of the blowing gas to be maintained over the entire annular cross-section of the storage masses. These two jets are radial to each other when the arm is turned inwards, and tangential to each other when it is turned outwards. The offset (16) runs at an angle (18) to the turning arm fitting the radius of curvature (17) of the external cross-section of the storage masses.

IPC 1-7
F28G 9/00; **F28D 19/04**

IPC 8 full level
F28D 19/04 (2006.01); **F28G 1/16** (2006.01); **F28G 9/00** (2006.01); **F28G 15/02** (2006.01)

CPC (source: EP KR US)
F28G 1/16 (2013.01 - KR); **F28G 9/005** (2013.01 - EP US); **F28G 15/02** (2013.01 - KR); **F28G 15/003** (2013.01 - KR)

Citation (search report)
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• [A] US 2761653 A 19560904 - GRAMES LLOYD D, et al
• [A] US 4428417 A 19840131 - CHESNER RAMON J [US]
• [A] US 2379506 A 19450703 - YERRICK WILLIAM D, et al

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DE102012206704A1; DE102012206704B4; CN103372558A; EP2657639A2

Designated contracting state (EPC)
DE ES GB NL

DOCDB simple family (publication)
EP 0714010 A2 19960529; **EP 0714010 A3 19970709**; **EP 0714010 B1 20010110**; CN 1089431 C 20020821; CN 1133968 A 19961023; CZ 286097 B6 20000112; CZ 310595 A3 19960612; DE 4442055 A1 19960530; DE 59508955 D1 20010215; JP H08219687 A 19960830; KR 960018511 A 19960617; US 5875833 A 19990302

DOCDB simple family (application)
EP 95118109 A 19951117; CN 95119786 A 19951124; CZ 310595 A 19951124; DE 4442055 A 19941125; DE 59508955 T 19951117; JP 30579495 A 19951124; KR 19950040961 A 19951113; US 94977497 A 19971014