

Title (en)
Rotating heat transfer device

Title (de)
Drehende Vorrichtung zur Wärmeübertragung

Title (fr)
Dispositif rotatif de transfert de chaleur

Publication
EP 0684427 B1 20010228 (FR)

Application
EP 95401154 A 19950518

Priority
FR 9406282 A 19940524

Abstract (en)
[origin: EP0684427A1] The rotary unit consists of a shell or cage (2) and a crown (1) containing a charge of a material with a large heat exchange surface, a drive to rotate the cage and crown relative to one another about a vertical axis, and at least one duct (5) for introducing the effluent gas into the cage and another (6) to remove it after treatment. The crown has at least one sector (A) to connect the inlet duct at any time with the central part of the cage, and a second sector (B) to connect it with the outlet duct. The central part of the crown has an aperture (8) for a thermal or catalytic reactor which burns off or converts pollutants contained in the gases passing through it. The charge of solid material can be in the form of cryogenic nodules. <IMAGE>

IPC 1-7
F23G 7/06; **F28D 19/04**

IPC 8 full level
F23J 15/00 (2006.01); **F23G 7/06** (2006.01); **F23G 7/07** (2006.01); **F23J 15/08** (2006.01); **F28D 19/04** (2006.01)

CPC (source: EP KR US)
F23G 7/06 (2013.01 - KR); **F23G 7/068** (2013.01 - EP US); **F28D 19/045** (2013.01 - EP US)

Cited by
EP2400249A1; FR2961893A1; US6235249B1; FR2786551A1; US6193504B1; WO2009135573A3; EP1004806B1

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