

Title (en)
RAW GAS-CLEAN GAS HEAT EXCHANGER

Publication
EP 0203445 B1 19891220 (DE)

Application
EP 86106484 A 19860513

Priority
DE 3518842 A 19850524

Abstract (en)
[origin: US4706742A] Raw gas/purified gas heat exchanger, particularly for dust-laden raw gas, features heat exchanger tubes through which purified gas flows and are arranged in a substantially vertical channel which is open at the bottom and is acted upon by raw gas from above. The tubes are arranged in different two-dimensional planes extending parallel to each other and to the symmetry axis of the channel.

IPC 1-7
F28D 7/08; **F28D 21/00**; **F28F 19/00**

IPC 8 full level
F28D 7/12 (2006.01); **F28D 7/08** (2006.01); **F28D 7/10** (2006.01); **F28D 21/00** (2006.01); **F28F 19/00** (2006.01)

CPC (source: EP US)
F28D 7/08 (2013.01 - EP US); **F28D 7/087** (2013.01 - EP US); **F28F 19/00** (2013.01 - EP US)

Cited by
US5871045A; DE29510720U1; EP0752569A2

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0203445 A1 19861203; **EP 0203445 B1 19891220**; CA 1271187 A 19900703; DE 3667724 D1 19900125; JP H0615949 B2 19940302; JP S61272590 A 19861202; US 4706742 A 19871117

DOCDB simple family (application)
EP 86106484 A 19860513; CA 509701 A 19860522; DE 3667724 T 19860513; JP 11713986 A 19860521; US 86599086 A 19860521