

Title (en)
DEVICE FOR COOLING GASES

Title (de)
VORRICHTUNG ZUR KÜHLUNG VON GASEN

Title (fr)
DISPOSITIF POUR LE REFROIDISSEMENT DE GAZ

Publication
EP 1062418 A1 20001227 (DE)

Application
EP 99907516 A 19990206

Priority
• DE 19809859 A 19980307
• EP 9900799 W 19990206

Abstract (en)
[origin: DE19809859A1] The invention relates to a device for cooling gases, in which the gas can be fed through channels (5) of a cooling device (1). Adjacent to the channels (5) for the gas the cooling device (1) also has channels (10) for a circulating coolant. In said cooling device (1) the channels (10) for the coolant are positioned centrally inside and the channels (5) for the gas to be cooled are positioned radially on the outside.

IPC 1-7
F02M 25/07; **F28D 7/10**; **F28F 1/16**

IPC 8 full level
F02M 25/07 (2006.01); **F02M 26/32** (2016.01); **F28D 7/10** (2006.01); **F28F 1/16** (2006.01); **F28F 1/42** (2006.01); **F28F 7/02** (2006.01)

CPC (source: EP US)
F02M 26/32 (2016.02 - EP US); **F28D 7/106** (2013.01 - EP US); **F28F 1/42** (2013.01 - EP US); **F28F 1/422** (2013.01 - EP US);
F28F 7/02 (2013.01 - EP US)

Citation (search report)
See references of WO 9945264A1

Cited by
FR2921592A1

Designated contracting state (EPC)
BE DE ES FR IT

DOCDB simple family (publication)
DE 19809859 A1 19990909; DE 59901300 D1 20020529; EP 1062418 A1 20001227; EP 1062418 B1 20020424; US 6374598 B1 20020423;
WO 9945264 A1 19990910

DOCDB simple family (application)
DE 19809859 A 19980307; DE 59901300 T 19990206; EP 9900799 W 19990206; EP 99907516 A 19990206; US 62367600 A 20000907