

Title (en)  
PROCESS AND DEVICE FOR REHEATING FLUE GASES

Publication  
**EP 0162269 A3 19870916 (DE)**

Application  
**EP 85104409 A 19850412**

Priority  
DE 3415238 A 19840421

Abstract (en)  
[origin: EP0162269A2] 1. A method of reheating flue gases coming from a flue-gas purification plant operating by the wet process, using a heat exchanger disposed in the stream of flue gas and comprising a number of tubes through which a heat transfer medium flows and round which the purified gases flow before being discharged through a chimney to atmosphere, the flue gas coming from wet purification and conveyed over a mist collector first being heated until all the water droplets remaining in the flue gas evaporate, after which the dry flue gas is heated by downstream heat exchangers to the temperature required for entering the chimney, characterized in that in order to heat the flue gas until all the remaining water droplets evaporate, the flue gas flows through a tubed indirect additional heat exchanger (9) disposed downstream of the mist collector (4) and consisting mainly of graphite and containing a heat transfer medium which is heated by a tubed indirect flue gas cooler (16) which consists mainly of graphite and withdraws some of the heat from the stream of unpurified flue gas before wet purification (3).

IPC 1-7  
**F23J 15/00**

IPC 8 full level  
**F23J 15/00** (2006.01); **F23J 15/08** (2006.01); **F28F 21/02** (2006.01)

CPC (source: EP)  
**F23J 15/08** (2013.01); **F28F 21/02** (2013.01)

Citation (search report)  
• [A] DE 2703681 A1 19780803 - BLOHM VOSS AG  
• [A] DE 2724030 A1 19781207 - METALLGESELLSCHAFT AG  
• [A] US 3839849 A 19741008 - MANIYA G

Cited by  
EP0443645A3; CN102695937A; JP2013514512A; CN107082464A; CN102121703A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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