

Title (en)  
HEAT TRANSFER SYSTEM

Publication  
**EP 0166805 A3 19860409 (DE)**

Application  
**EP 84109863 A 19840818**

Priority  
CH 325384 A 19840705

Abstract (en)  
[origin: US4700772A] The heat exchanger system is provided with a second duct part in communication with and downstream of the mixing chamber as well as a helical tube heating surface in the second duct part for conveying a working medium in heat exchange with the hot gas. A pair of branch ducts extend upwardly from the first duct part for the hot gas with the centrally disposed branch duct serving as a bypass for the hot gas. A restrictor in the form of a valve is provided at the upper end of the central branch duct to control the flow of hot gas therefrom into a mixing chamber.

IPC 1-7  
**F22B 1/18**; **F22B 21/22**; **F28D 7/00**

IPC 8 full level  
**F28D 7/16** (2006.01); **F22B 1/18** (2006.01); **F22B 21/22** (2006.01); **F22B 35/00** (2006.01)

CPC (source: EP US)  
**F22B 1/1838** (2013.01 - EP US); **F22B 21/22** (2013.01 - EP US); **F22B 35/007** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0111615 A1 19840627 - SULZER AG [CH]
- [A] GB 1195154 A 19700617 - WAAGNER BIRO AG [AT]
- [A] CH 174774 A 19350131 - SULZER AG [CH]
- [A] FR 2513146 A1 19830325 - STEINMUELLER GMBH L & C [DE]

Designated contracting state (EPC)  
BE DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0166805 A2 19860108**; **EP 0166805 A3 19860409**; **EP 0166805 B1 19881214**; CA 1248083 A 19890103; CH 665274 A5 19880429; DE 3475646 D1 19890119; JP S6124988 A 19860203; US 4700772 A 19871020

DOCDB simple family (application)  
**EP 84109863 A 19840818**; CA 485471 A 19850627; CH 325384 A 19840705; DE 3475646 T 19840818; JP 14762485 A 19850704; US 75239485 A 19850703