

Title (en)

SPACE HEATING APPARATUS FOR SMALL SPACES

Publication

EP 0128463 A3 19860723 (DE)

Application

EP 84106191 A 19840530

Priority

DE 3321116 A 19830610

Abstract (en)

[origin: US4590917A] A space heater for small rooms, e.g. house trailers or ship's cabins, comprises an undulating heat exchanger centered on a vertical axis and a combustion pipe surrounded thereby. A burner enters the lower end of the combination pipe whose upper end is closed except for a number of lateral openings communicating with outwardly closed smoke channels of the undulating heat exchanger which alternate with outwardly open air channels. An outer peripheral wall, spacedly surrounding the heat exchanger, forms with its air channels an annular conduit for the conveyance of ambient air entering that conduit near its bottom and leaving it at its top.

IPC 1-7

F24H 3/06; **F24H 3/10**; **F24C 1/14**

IPC 8 full level

F24C 1/14 (2006.01); **F24H 3/06** (2006.01)

CPC (source: EP US)

F24C 1/14 (2013.01 - EP US); **F24H 3/065** (2013.01 - EP US)

Citation (search report)

- [X] GB 985193 A 19650303 - ACTIVAIR LTD
- [X] DE 2919306 B2 19810604
- [Y] US 3018773 A 19620130 - OLDAKER DONNISON JAMES
- [A] BE 689876 A 19670502

Cited by

US6635086B2

Designated contracting state (EPC)

BE FR GB IT NL SE

DOCDB simple family (publication)

EP 0128463 A2 19841219; **EP 0128463 A3 19860723**; **EP 0128463 B1 19890726**; DE 3321116 A1 19841213; DE 3321116 C2 19871203; US 4590917 A 19860527

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EP 84106191 A 19840530; DE 3321116 A 19830610; US 61896484 A 19840611