

Title (en)
HEAT EXCHANGER

Publication
EP 0173173 A3 19860730 (DE)

Application
EP 85110231 A 19850815

Priority
CH 420684 A 19840829

Abstract (en)
[origin: US4667482A] In order to provide for a quick heating up of water in a container independently of its volume, a heat exchanger device comprises a container having a water inlet in a bottom section and a water outlet in an upper section as well as a heat transfer tube means for conducting a heating fluid through said container. The heat transfer tube means enter said container in said upper section and extend to a lower section so as to heat up the water in the upper section first.

IPC 1-7
F24H 1/20

IPC 8 full level
F24H 1/20 (2006.01); **F24H 4/04** (2006.01)

CPC (source: EP US)
F24H 1/208 (2013.01 - EP US); **F24H 4/04** (2013.01 - EP US); **F28D 1/0213** (2013.01 - EP US); **F28D 1/0472** (2013.01 - EP US); **F28D 1/0475** (2013.01 - EP US); **F28F 2210/00** (2013.01 - EP US)

Citation (search report)

- [AD] DE 3005858 A1 19810903 - JAGA N V [BE]
- [A] FR 2515324 A1 19830429 - BOSCH SIEMENS HAUSGERAETE [DE]
- [X] NL 8104321 A 19830418 - PATLICO RIGHTS NV

Cited by
CN103471241A; EP1783438A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0173173 A2 19860305; EP 0173173 A3 19860730; US 4667482 A 19870526

DOCDB simple family (application)
EP 85110231 A 19850815; US 76954485 A 19850826