

Title (en)
Heat exchange arrangement

Title (de)
Wärmetauschereinrichtung

Title (fr)
Dispositif d'échangeur de chaleur

Publication
EP 1321720 B1 20050126 (DE)

Application
EP 02021225 A 20020918

Priority
DE 10162952 A 20011220

Abstract (en)
[origin: EP1321720A1] Heat exchanger device for gas-heated devices used in the heat treatment of foodstuffs comprises a ventilator wheel for forced circulation of a treatment medium, a gas burner, and at least one heat exchanger pipe (21) surrounding the ventilator wheel. The burner is designed as a pipe closed at one end and provided with gas outlet openings (27) along its periphery. <??>Preferred Features: An initial region of the heat exchanger pipe serves as a combustion chamber (20) housing the burner.

IPC 1-7
F24C 15/32

IPC 8 full level
F24C 15/32 (2006.01)

CPC (source: EP)
F24C 15/322 (2013.01)

Cited by
EP1424008A3; DE10162952C5; DE102012016813A1; DE102012015312A1; US9372005B2; DE102012015313A1; DE202008010227U1; DE102009035541A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1321720 A1 20030625; EP 1321720 B1 20050126; AT E288053 T1 20050215; DE 10162952 A1 20030710; DE 10162952 C2 20031106; DE 10162952 C5 20070516; DE 50202105 D1 20050303; ES 2199704 T1 20040301; ES 2199704 T3 20050701

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EP 02021225 A 20020918; AT 02021225 T 20020918; DE 10162952 A 20011220; DE 50202105 T 20020918; ES 02021225 T 20020918