

Title (en)

Flame fired heat exchanger.

Title (de)

Mit einer Flamme beheizter Wärmetauscher.

Title (fr)

Echangeur de chaleur chauffé par une flamme.

Publication

EP 0534780 A2 19930331 (EN)

Application

EP 92308760 A 19920925

Priority

US 77671491 A 19910927

Abstract (en)

Odor/pollutants from cooking food products are collected and delivered to a plenum (26) proximate the burner (34) of a heat exchanger (10) which serves the food cooker (12). The burner (34) issues a flame (27) in a combustion chamber (31) having a baffle (36) arranged normal to the flame and a central opening in the baffle (36) is partially occluded by a frusto-conically shaped turbulence increasing body (41) spaced from the baffle (36) to define an annular flow slot along the body which has a central flow passageway therethrough. <IMAGE>

IPC 1-7

F23G 5/46; **F23G 7/06**; **F23M 9/06**

IPC 8 full level

F23G 5/46 (2006.01); **F23G 7/06** (2006.01); **F23M 9/06** (2006.01)

CPC (source: EP)

F23G 5/46 (2013.01); **F23G 7/065** (2013.01); **F23M 9/06** (2013.01)

Cited by

CN106123056A; CN112684099A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

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