

Title (en)
Heating unit for a cooking oven

Title (de)
Heizeinheit für einen Backofen

Title (fr)
Element de chauffage pour un four cuisinière

Publication
EP 1400758 A1 20040324 (EN)

Application
EP 02425572 A 20020923

Priority
EP 02425572 A 20020923

Abstract (en)
A heating unit (11) is intended to be mounted in a cooking chamber (3) of a cooking oven (1) provided with an extraction system (16, 18, 19, 20) for extracting fumes and vapours from the interior of the cooking chamber (3). The heating unit comprises one or more heating elements (8, 8') capable of heating the dishes disposed within the cooking chamber (3), catalyst means (22) capable of lowering the oxidation temperature of the substances contained in the said vapours and fumes, conduction means (21, 17) capable of conveying the extracted vapours and fumes through the catalyst means, wherein the catalyst means are disposed in a relationship of heat exchange with at least one of the heating elements (8, 8') in order to utilize the heat thereof. <IMAGE>

IPC 1-7
F24C 15/20; **F24C 14/02**

IPC 8 full level
F24C 14/02 (2006.01); **F24C 15/20** (2006.01)

CPC (source: EP)
F24C 14/02 (2013.01); **F24C 15/2014** (2013.01)

Citation (search report)
• [DX] EP 0663568 A1 19950719 - SCHOLTES SOC [FR]
• [X] GB 2035826 A 19800625 - DIETRICH & CIE DE
• [X] US 6318245 B1 20011120 - DURTH WILFRIED [DE], et al
• [X] US 3290483 A 19661206 - BOHDAN HURKO
• [A] DE 10062827 A1 20020620 - MIELE & CIE [DE]
• [A] DE 2305025 A1 19740808 - BURGER EISENWERKE AG
• [A] EP 0500471 A1 19920826 - SCHOLTES SOC [FR]
• [A] US 3785778 A 19740115 - BURSTEIN N, et al

Cited by
CN103765109A; EP1666799A1; CN113397371A; EP2824394A1; DE102013107361A1; WO2005047775A1; WO2019032906A1

Designated contracting state (EPC)
FR GB IT

DOCDB simple family (publication)
EP 1400758 A1 20040324

DOCDB simple family (application)
EP 02425572 A 20020923