

Title (en)
Pyrolytic self-cleaning ovens

Title (de)
Kochofen mit pyrolitischer Selbstreinigung

Title (fr)
Four de cuisson à nettoyage par pyrolyse

Publication
EP 0878667 A3 20000927 (EN)

Application
EP 98303828 A 19980515

Priority
GB 9709974 A 19970516

Abstract (en)
[origin: EP0878667A2] A pyrolytic self-cleaning oven has a cavity 2 heated by a grill element 4 during a self-cleaning pyrolytic operation, the fumes emitted passing through a porous plug bearing an oxidation catalyst 11 to remove smoke before the gases are vented at outlet 9. The cycling of the element 4 is controlled by an electronic controller 13 which receives a signal from a temperature sensor 15 on the catalytic plug. Thus, when the oven temperature initially rises and volatile substances are vaporised, resulting in an exothermic reaction at the catalyst, the element 4 is switched off. Only when a substantial amount of the volatile soil has been evaporated will the temperature at the oxidation catalyst fall causing the control means 13 to switch the element 4 back on. In this way, the self-cleaning operation is controlled by the temperature of the oxidation catalyst, and the cleaning operation is terminated with reference to either a fixed temperature in the oven having been reached or a fixed temperature differential between the catalyst temperature and the oven temperature having been achieved. <IMAGE>

IPC 1-7
F24C 14/02

IPC 8 full level
F24C 14/02 (2006.01)

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

Citation (search report)
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• [A] FR 2705766 A1 19941202 - SCHOLTES ETS EUGEN [FR]
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0878667 A2 19981118; EP 0878667 A3 20000927; GB 2325299 A 19981118; GB 2325299 B 20000112; GB 9709974 D0 19970709

DOCDB simple family (application)
EP 98303828 A 19980515; GB 9709974 A 19970516