

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>

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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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