Title (en)

Door for pyrolytic oven

Title (de)

Tür für pyrolytischen Ofen

Title (fr)

Porte pour four pyrolytique

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1022517A1] The present invention relates to a cold door for an oven, the door being characterized by highly efficient thermal insulation and cooling of the outer surface. In particular, the present invention relates to an oven door, particularly for a pyrolytic oven, comprising a support (16) to which are fixed an inner panel (21), against the oven mouth, and an outer panel (18), between which panels are a first intermediate panel (23) and a second intermediate panel (24), the said intermediate panels being separated by an intermediate gap (27) having air inlets (32) at the bottom of the door and air outlets (32') at the top of the door, in which the said inner panel (21) and the said first intermediate panel (23) are separated by an inner gap (26) and in which the said second intermediate panel (24) and the said outer panel (18) are separated by an outer gap (25), the said door being characterized in that the said intermediate gap (27) is separated from the said inner (26) and outer (25) gaps, in that the said outer gap (25) includes air inlets (20) situated at the top of the door and the said inner gap (26) includes air outlets (31') situated at the top of the door and in that the said outer (25) and inner (26) gaps are in communication at the bottom of the door, so that air enters via the said inlets (20) of the said outer gap (25) and leaves via the said outlets (31') of the said inner gap (26), creating a downward stream of air in the said outer gap (25) in the opposite direction to the separate, upward stream in the said intermediate gap (27), and an upward stream of air in the said inner gap (26). <IMAGE>

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