Title (en)
GAS OVEN WITH HEAT EXCHANGER

Title (de)
GASOFEN MIT WÄRMETAUSCHER

Title (fr)
FOUR À GAZ AVEC ÉCHANGEUR DE CHALEUR

Publication
EP 3055622 A2 20160817 (EN)

Application
EP 14833456 A 20141011

Priority
- IT PN20130061 A 20131011
- IB 2014002084 W 20141011

Abstract (en)
[origin: WO2015059537A2] Improved type of heat exchanger preferably applicable to gaseous fuel ovens. The mentioned improved type of (SC) heat exchangers are placed into the cell of an oven (F), precisely on its bottom, (SC) and fitted vertically on top of the burners (BR). The above mentioned (SC) heat exchangers are characterized by the fact that there are several pipe elements (T) and that on such pipe elements, beads (B) are created towards the inner part of the (T) pipe elements; Heat exchanger (SC), as in the previous claim, are characterized by the fact that the (B) beads are practiced on the (T) pipe elements of the (SC) heat exchanger, (B) are preferably placed one opposite to the other, in order to generate a reduction of the section area inside the (T) pipe element so as to create a sort of "Venturi" nozzle; Heat exchanger (SC), as in the previous claim, are characterized by the fact that the (B) beads pressed on the (T) pipe element, as well as being opposed one to each other, result to be (B) practiced on above mentioned (T) pipe element with an alternating pattern with a preferred angle of 90 degrees.

IPC 8 full level
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CPC (source: EP)
F24C 15/322 (2013.01); **F28F 1/426** (2013.01); **F28F 13/08** (2013.01); F28D 21/0003 (2013.01); F28D 2021/0042 (2013.01)

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