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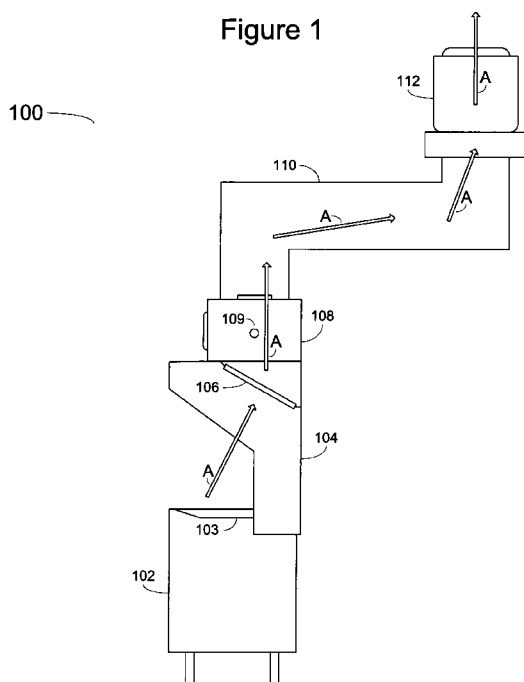
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(54) Title: KITCHEN EXHAUST ULTRAVIOLET SYSTEM

Figure 1



(57) Abstract: A reaction chamber for a use in eliminating airborne grease particles and vapor in a kitchen exhaust system includes an ultraviolet (UV) lamp, a control system configured to control the UV lamp as well as measure air flow through the reaction chamber, a first opening configured to attach the reaction chamber to an existing ventilation hood, and a second opening configured to attach the reaction chamber to an existing exhaust duct.



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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	abstract; figures 6a,7a,8d,9b paragraphs [0048], [0117], [0119]	3,6-7,14
X	WO 03/061717 A1 (VENT MASTER EUROP LTD [GB]) 31 July 2003 (2003-07-31)	1-2,13
Y	abstract; figures 2,3 page 7, line 1 - page 8, line 17 page 9, line 29 - page 10, line 7 page 13, lines 13-19 page 17, lines 12-16	3,6-7,14
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 2005/229922 A1 (MAGNER ERIK [CA] ET AL) 20 October 2005 (2005-10-20) abstract; figure 1 paragraphs [0004], [0008] -----	3,14
A	US 2005/000365 A1 (NELSEN ROGER [US] ET AL) 6 January 2005 (2005-01-06) abstract; figures 2,8, paragraphs [0052], [0065], [0082] -----	1,3,7,9
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