

Title (en)  
VENTILATION DEVICE

Title (de)  
LÜFTUNGSGERÄT

Title (fr)  
APPAREIL DE VENTILATION

Publication  
**EP 1802919 A1 20070704 (DE)**

Application  
**EP 05810199 A 20051020**

Priority  
• EP 2005011296 W 20051020  
• DE 102004052201 A 20041020  
• DE 102005015754 A 20050330

Abstract (en)  
[origin: WO2006042758A1] Disclosed is an exhaust hood (10) comprising a drive unit (20) for generating an air flow, a control device or control circuit for controlling the drive unit (20), and a measurement section comprising a transmitter device (22) and a receiver device (24). The control device or control circuit is configured so as to control the drive unit (20) in accordance with a signal generated by the receiver device (24). The transmitter device (22) is provided with a laser module that is aimed directly at the receiver device (24). Said laser module generates a laser beam (25) which is deflected in accordance with the presence of cooking vapors such as steam. The respective deflection influences the signal generated by the receiver device (24) such that the signal allows the control device or control circuit to draw conclusions about the presence of cooking vapors such as steam or movements of air and thus automatically control the drive unit (20) as needed.

IPC 8 full level  
**F24C 15/20** (2006.01)

CPC (source: EP US)  
**F24C 15/2021** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006042758A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102005015754 A1 20060427**; EP 1802919 A1 20070704; EP 1802919 B1 20130320; ES 2408255 T3 20130619; PL 1802919 T3 20130830; US 2007184771 A1 20070809; US 7442119 B2 20081028; WO 2006042758 A1 20060427

DOCDB simple family (application)  
**DE 102005015754 A 20050330**; EP 05810199 A 20051020; EP 2005011296 W 20051020; ES 05810199 T 20051020; PL 05810199 T 20051020; US 73697807 A 20070418