

Title (en)

A low-noise fume extractor hood.

Title (de)

Dampfabzugshaube mit geringer Geräuschentwicklung

Title (fr)

Hotte de captation des fumées à faible bruit

Publication

EP 2594853 B1 20170118 (EN)

Application

EP 12192948 A 20121116

Priority

IT AN20110156 A 20111121

Abstract (en)

[origin: EP2594853A1] A fume extractor hood (1) is disclosed, comprising a box (2) with a motor-fan assembly and a muffler module (4) comprising a bearing frame defining an air extraction conduit (C) with axis (A), an active noise suppression system comprising at least one electro-acoustic transducer (5) and at least two microphones (6, 7), a passive noise suppression system comprising a sound absorbent material (49). Said muffler module (4) comprises at least two electro-acoustic transducers (5) connected to the walls (40) of said bearing frame, in opposite positions, in such manner to leave the central part of said conduit (C) free. The sound beams coming from said at least two electro-acoustic transducers (5) are mutually combined, obtaining a resulting sound beam that can be directed towards a preferred direction by means of beam forming algorithms.

IPC 8 full level

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CPC (source: EP US)

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Cited by

WO2018141839A1; CN105737228A; EP3078916A3; CN107939481A; CN107166458A; GB2582372A; CN111726718A; GB2582372B; CN103994485A; JP2016061535A; CN108954440A; CN110701648A; WO2016047070A1; US11423873B2; US12014715B2; TWI645116B

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