Title (en)
A FUME HOOD AND A METHOD FOR OPERATING A FUME HOOD

Title (de)
RAUCHABZUG UND VERFAHREN ZUM BETRIEB EINES RAUCHABZUGS

Title (fr)
HOTTE ASPIRANTE ET PROCÉDÉ DE FONCTIONNEMENT D'UNE HOTTE ASPIRANTE

Publication
EP 3885057 C0 20230927 (EN)

Application
EP 20165536 A 20200325

Priority
EP 20165536 A 20200325

Abstract (en)
[origin: EP3885057A1] A fume hood (10) with an open front section and work chamber (13), and a top section (20), wherein the top section (20) is provided with an exhaust opening (22), the fume hood (10) further comprising an evacuation channel (29) between the work chamber (13) and the exhaust opening (22), a top gate (30) for automatically changing an air flow opening (34) at an upper section of the work chamber (13); a to measure power consumption of electrically powered units (12) of the fume hood (10); an actuator (36) arranged to adjust the top gate (30); a control unit (40) operatively connected to the power measuring device (44) for receiving an input signal indicative of the power consumption, and to the actuator (36) for adjusting the air flow opening (34).A method for operating a fume hood (10), comprising evacuation of air through the evacuation channel (29); measuring power consumption of the electrically powered units (12); increasing a size of the air flow opening (34) at an increased level of power consumption; and evacuation of an increased amount of air through the air flow opening (34) to said exhaust opening (22) at an increased level of power consumption.

IPC 8 full level
B08B 15/02 (2006.01)

CPC (source: EP)
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