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(54) Title: VENTILATING CABINET

(54) 发明名称: 通风柜

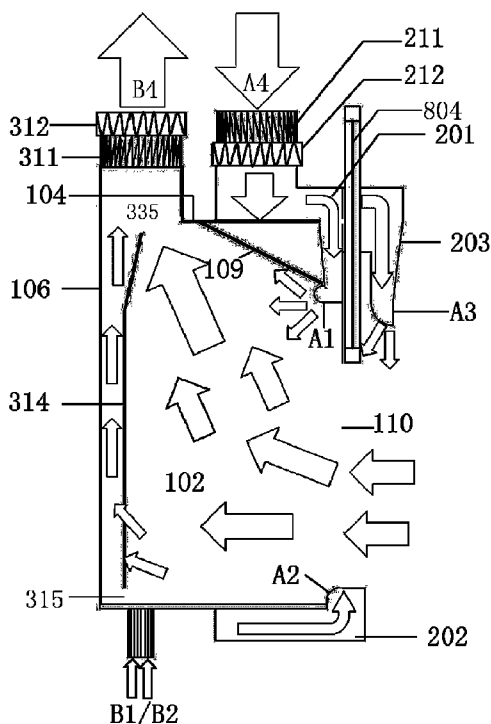


图 1

(57) Abstract: Disclosed is a ventilating cabinet, comprising a cabinet body (100), an inner chamber of the cabinet body (100) forming a working chamber (102), and a front wall thereof being formed with a front opening (110) which opens toward the indoor environment; an air supplying system which is connected to an air supplying channel of a building to supply air to the working chamber; and an air exhausting system which is connected to an air exhausting channel of the building so that the air entering the working chamber through the front opening and the air entering the working chamber through the air supplying system are discharged from the working chamber, wherein the air supplying system comprises at least one air supplying port on either of the upper or the lower parts of the cabinet body, and the air supplying port supplies air toward the interior of the working chamber; and a top module (400) is arranged above the cabinet body, and the top module is mounted with an air supplying fan (211) and an air supplying valve (212) for the air supplying system, and with an air exhausting fan (311) and an air exhausting valve (312) for the air exhausting system, with the air supplying channels for connecting the air supplying fan and the air supplying valve to the air supplying ports being in communication with each other. The ventilating cabinet can reduce the energy consumption of an air conditioner and prevent harmful substances from overflowing from the interior of the working chamber, and also has the advantages of a low installation cost and a high consistency in terms of the quality of products.

(57) 摘要:

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— 包括国际检索报告(条约第 21 条(3))。

一种通风柜，包括：柜体（100），该柜体（100）的内腔构成工作腔（102），且前壁形成有向室内环境敞开的前开口（110）；补风系统，该补风系统与建筑物的补风通道连接，向工作腔补风；以及排风系统，该排风系统与建筑物的排风通道连接，将经过前开口进入工作腔的空气和经过补风系统进入工作腔的空气从工作腔排出，补风系统在柜体的上部和下部各具有至少一个补风口，该补风口朝向工作腔内送风，柜体上方设有顶部模块（400），顶部模块内安装有补风系统用的补风风机（211）和补风阀门（212）、以及排风系统用的排风风机（311）和排风阀门（312），连接补风风机和补风阀门与各补风口的各补风通道彼此连通。该通风柜能够降低空调能耗、抑制工作腔内有害物质的溢流，还具有安装成本低且产品质量的一致性高的优点。