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(71) Applicant(s):

BYD COMPANY LIMITED [CN/CN]; No. 3009, BYD Road, Pingshan Shenzhen, Guangdong 518118 (CN) (*for all designated states*)

(72) Inventor(s):

WU, Xingchi; No. 3009, BYD Road, Pingshan Shenzhen, Guangdong 518118 (CN)
XU, Yuanfeng; No. 3009, BYD Road, Pingshan Shenzhen, Guangdong 518118 (CN)
CHEN, Lianyi; No. 3009, BYD Road, Pingshan Shenzhen, Guangdong 518118 (CN)
TAN, Jigang; No. 3009, BYD Road, Pingshan Shenzhen, Guangdong 518118 (CN)
WANG, Hongjun; No. 3009, BYD Road, Pingshan Shenzhen, Guangdong 518118 (CN)

(74) Agent(s):

TSINGYIHUA INTELLECTUAL PROPERTY LLC.; Room 301 Trade Building, Zhaolanyuan, Tsinghua University, Qinghuayuan, Haidian District Beijing 100084 (CN)

(54) Title (EN): BATTERY DEVICE AND VEHICLE

(54) Title (FR): DISPOSITIF DE BATTERIE ET VÉHICULE

(54) Title (ZH): 电池装置以及车辆

(57) Abstract:

(EN): Provided are a battery device (10) and a vehicle (100). The battery device (10) comprises: a housing (1), the housing (1) being provided with a first gas interface (11) and a second gas interface (12); multiple batteries, the multiple batteries being arranged in the housing (1) and being divided into multiple battery packs (2); and heat exchange air channels (3), the heat exchange air channels (3) being formed in the housing (1) by means of two adjacent battery packs (2) being spaced apart and being arranged in a staggered manner, wherein a gaseous medium for regulating the temperature of the batteries is adapted to flow, from one of the first gas interface (11) and the second gas interface (12), into the heat exchange air channels (3) so as to flow through each of the battery packs (2) in sequence and flow out of the other of the first gas interface (11) and the second gas interface (12).

(FR): L'invention concerne une batterie de véhicule (10) et un véhicule (100). Le dispositif de batterie (10) comprend : un boîtier (1), le boîtier (1) étant pourvu d'une première interface de gaz (11) et d'une seconde interface de gaz (12) ; de multiples batteries, les multiples batteries étant agencées dans le boîtier (1) et étant divisées en de multiples blocs-batteries (2) ; et des canaux d'air d'échange de chaleur (3), les canaux d'air d'échange de chaleur (3) étant formés dans le boîtier (1) au moyen de deux blocs-batteries (2) adjacents qui sont espacés et disposés en quinconce, un milieu gazeux permettant de réguler la température des batteries étant conçu pour s'écouler, à partir de l'une des première (11) et seconde interfaces de gaz (12), dans les canaux d'air d'échange de chaleur (3) de façon à s'écouler à travers chacun des blocs-batteries (2) en séquence et à s'écouler hors de l'autre des première (11) et seconde interfaces de gaz (12).

(ZH): 一种电池装置(10)以及车辆(100),电池装置(10)包括:外壳(1),外壳(1)上设置有第一气体接口(11)和第二气体接口(12);多个电池,多个电池设置在外壳(1)内,多个电池分为多个电池组(2);换热风道(3),换热风道(3)通过相邻的两个电池组(2)

之间间隔开且相错设置以在外壳(1)内形成;其中,用于调节电池温度的气体介质适于从第一气体接口(11)和第二气体接口(12)中的一个流入换热风道(3)以顺次流经每个电池组(2)并从第一气体接口(11)和第二气体接口(12)中的另一个流出。

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