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HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
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Déclarations en vertu de la règle 4.17 :

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(54) Title : SYSTEM FOR COOLING AN ELECTRICAL BATTERY, AND BATTERY INCLUDING SUCH A SYSTEM

(54) Titre : SYSTÈME DE REFROIDISSEMENT DE BATTERIE ÉLECTRIQUE ET BATTERIE COMPRENANT UN TEL SYSTÈME

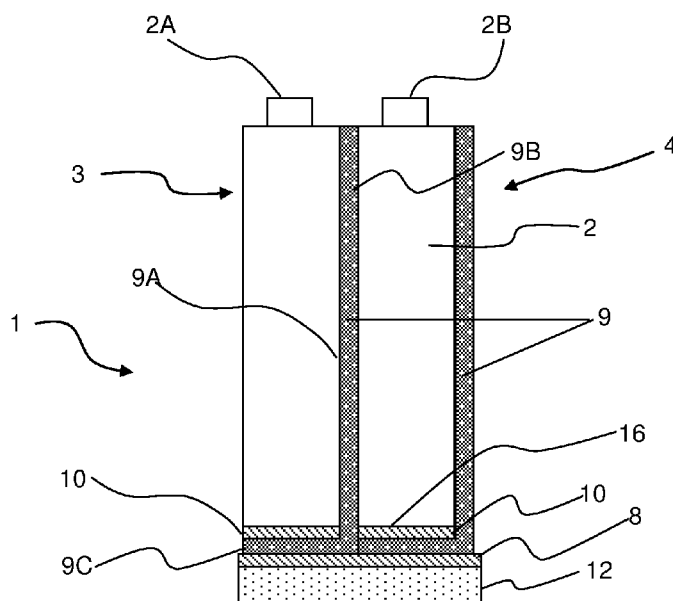


Figure 3

(57) Abstract : The invention relates to an electrical battery, including a casing (1) and a set of energy-generating cells (2). According to the invention: said battery includes at least one longitudinal arrangement (3, 4) consisting of at least some of said cells, the cells (2) of said arrangement being urged against one another while being maintained secured together by a compression means (5, 6) compressing said cells (2) along or substantially along the longitudinal axis of the arrangement; said longitudinal arrangement (3, 4) is attached to said casing (1) via said compression means (5, 6), which is at least partially attached to said casing (1) by attachment members; and said battery includes a cooling system, said cooling system comprising at least one electrically insulating and thermally conductive layer (8) that thermally connects at least the cells of said at least one longitudinal arrangement (3, 4) to a single heat-dissipation surface (12, 14) placed in said casing or formed by at least one of the walls of said casing so as to ensure a uniform discharge, toward said dissipation surface, of the thermal energy generated by each of the cells of said arrangement, said layer or at least one of said electrically insulating and thermally conductive layers consisting of a thermal gel (8).

(57) Abrégé :

[Suite sur la page suivante]