

Title (en)

APPARATUS FOR USE IN AN ELECTRICAL DRIVE SYSTEM, AND METHOD FOR OPERATING AN APPARATUS OF THIS KIND

Title (de)

VORRICHTUNG ZUR VERWENDUNG IN EINEM ELEKTRISCHEN ANTRIEBSSYSTEM UND VERFAHREN ZUM BETRIEB EINER SOLCHEN

Title (fr)

DISPOSITIF DESTINÉ À ÊTRE UTILISÉ DANS UN SYSTÈME DE PROPULSION ÉLECTRIQUE ET PROCÉDÉ POUR FAIRE FONCTIONNER CE DISPOSITIF

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Application

EP 11778913 A 20111107

Priority

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Abstract (en)

[origin: WO2012072372A2] Apparatus (1) for use in an electrical drive system (2), in particular in a hybridized drive system of a motor vehicle, having at least a first (5a) and a second (5b) battery system (5a, 5b, 5c, ...) which is arranged in a parallel circuit, the load outputs (9) of said battery systems being combined to form a common load output (11), wherein each battery system (5a, 5b, 5c, ...) has an energy storage means (6) and a precharge circuit (14) which is coupled to said energy storage means, wherein the respective load output (9) of the battery system (5a, 5b, 5c,...) is formed by means of an output (14a) of the precharge circuit (14), wherein the load output (9) of each battery system (5a, 5b, 5c,...) can in each case be connected to and disconnected from the common load output (11) by means of the precharge circuit (14), wherein the common load output (11) is coupled directly to an inverter input (12) of an inverter (3) of the apparatus (1) in terms of energy, in particular by means of an intermediate circuit capacitor (13). The invention also proposes a method for operating the apparatus (1).

IPC 8 full level

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Citation (search report)

See references of WO 2012072372A2

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