

Title (en)

HIGH-SPEED DISCHARGE SYSTEM FOR A HIGH-VOLTAGE ENERGY STORE

Title (de)

HOCHGESCHWINDIGKEITSENTLADESYSTEM FÜR EINEN HOCHSPANNUNGSENERGIESPEICHER

Title (fr)

SYSTÈME DE DÉCHARGEMENT À HAUTE VITESSE POUR UN ACCUMULATEUR D'ÉNERGIE À HAUTE TENSION

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Application

EP 19720532 A 20190425

Priority

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Abstract (en)

[origin: WO2019211172A1] The invention relates to a high-speed discharge system (1) for discharging a high-voltage energy store (10) via a grid connection (N) into a power grid as far as a certain residual charge (SOC) of the charging capacity, comprising an alternator (20) which is connected on the grid side and can be connected or is connected via a connection line (2) to a junction box (61) which is arranged on or in the high-voltage energy store (10), and while the high-voltage discharge system (1) is operating an intermediate circuit voltage UZK is present between the alternator (20) and the high-voltage energy store (10), wherein in addition a control device (30) is provided which during the discharge process ensures that the intermediate circuit voltage UZK is higher than the peak value of the power grid alternating voltage Ugrid of the power grid.

IPC 8 full level

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Citation (search report)

See references of WO 2019211172A1

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