

Title (en)

A HYBRID POWER GENERATION SYSTEM AND AN ASSOCIATED METHOD THEREOF

Title (de)

HYBRIDES ENERGIEERZEUGUNGSSYSTEM UND ZUGEHÖRIGES VERFAHREN

Title (fr)

SYSTÈME DE GÉNÉRATION D'ÉNERGIE HYBRIDE ET SON PROCÉDÉ ASSOCIÉ

Publication

EP 3658769 A1 20200603 (EN)

Application

EP 18838548 A 20180718

Priority

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- US 2018042716 W 20180718

Abstract (en)

[origin: WO2019023023A1] A hybrid power generation system is presented. The system includes a first power generation subsystem including a prime mover driving a generator including a rotor and a stator, one or more first conversion units coupled to at least one of the rotor and the stator, a first direct current (DC) link, and one or more second conversion units coupled to a corresponding one or more first conversion units via the first DC link. The system includes one or more second power generation subsystems coupled to the first power generation subsystem and one or more power conversion subunits including one or more first bridge circuits coupled to a corresponding one or more second bridge circuits via one or more transformers, where at least one of the one or more second power generation subsystems and the first power generation subsystem includes the one or more power conversion subunits.

IPC 8 full level

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