

Title (en)

ENERGY SYSTEM AND METHOD FOR PRESSURE ADJUSTMENT IN AN ENERGY SYSTEM

Title (de)

ENERGIESYSTEM UND VERFAHREN ZUR DRUCKANPASSUNG IN EINEM ENERGIESYSTEM

Title (fr)

SYSTÈME ÉNERGÉTIQUE ET PROCÉDÉ D'AJUSTEMENT DE PRESSION DANS UN SYSTÈME ÉNERGÉTIQUE

Publication

**EP 3900091 A1 20211027 (DE)**

Application

**EP 19835274 A 20191218**

Priority

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- EP 2019086000 W 20191218

Abstract (en)

[origin: WO2020127515A1] The invention relates to an energy system (10) and a method for adjusting the line pressure in an energy system (10). The energy system (10) comprises a first energy source unit (21), a first energy sink unit (22), a second energy source unit (31) and a connection line unit (40), via which the first energy source unit (21) is connected to the second energy source unit (31) and the second energy source unit (31) is connected to the first energy sink unit (21). In order to reduce, as far as possible, the number of components in the energy system (10), preferably also the number of line sections of the connection line unit (40) required for different operating modes of the energy system (10) with different pressure levels, according to the invention, at least individual sections of the connection line unit (40) are designed as bidirectional line sections (40a to 40e) and the connection line unit (40) is connected to a pressure adjustment unit (50), which is provided in such a way that it can set a direction-dependent pressure level in the bidirectional line sections (40a to 40e) of the connection line unit (40).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020127515A1

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