

Title (en)
ENERGY DELIVERY SYSTEM

Title (de)
ENERGIEVERSORGUNGSSYSTEM

Title (fr)
SYSTÈME DE DISTRIBUTION D'ÉNERGIE

Publication
EP 3981058 A4 20220817 (EN)

Application
EP 20850332 A 20200804

Priority
• US 201962882817 P 20190805
• US 202016760762 A 20200430
• US 2020044898 W 20200804

Abstract (en)
[origin: WO2021026163A1] An energy delivery system that combines multiple energy storage sources/systems of different chemical compositions or physical construction with a common control system that is configured to output energy from the system as a function of the different performance characteristics of each system, and is therefore capable of optimizing various operational characteristics of the combined system. The control system is configured to utilize a separate variable impedance network for each energy storage system to adjust the relative output current or discharge rate of each energy storage system, such as to optimize cycle life, depth of discharge, temperature, delivered power, and/or perceived safety of each energy storage system.

IPC 8 full level
H02J 7/34 (2006.01); **B60L 58/18** (2019.01); **H02J 1/10** (2006.01)

CPC (source: EP KR)
B60L 50/40 (2019.01 - EP); **B60L 58/13** (2019.01 - EP); **B60L 58/20** (2019.01 - EP); **B60L 58/21** (2019.01 - EP); **G06F 1/26** (2013.01 - KR); **H02J 1/106** (2020.01 - EP); **H02J 7/0013** (2013.01 - EP KR); **H02J 7/0024** (2013.01 - KR); **H02J 7/0025** (2020.01 - EP KR); **H02J 7/007** (2013.01 - EP); **H02J 7/342** (2020.01 - EP); **B60L 2240/545** (2013.01 - EP); **B60L 2240/547** (2013.01 - EP); **B60L 2240/549** (2013.01 - EP)

Citation (search report)
• [XY] US 2018191037 A1 20180705 - OH JIMIN [KR], et al
• [XYI] US 2018337536 A1 20181122 - LI PENG [US], et al
• [A] WO 2019125495 A1 20190627 - LITECH LABORATORIES LLC [US]
• See references of WO 2021026163A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2021026163 A1 20210211; CN 114207982 A 20220318; EP 3981058 A1 20220413; EP 3981058 A4 20220817; JP 2022544130 A 20221017; KR 20220042214 A 20220404; TW 202112040 A 20210316

DOCDB simple family (application)
US 2020044898 W 20200804; CN 202080055688 A 20200804; EP 20850332 A 20200804; JP 2022507473 A 20200804; KR 20227007237 A 20200804; TW 109126373 A 20200804