

Title (en)  
BATTERY STATE DETECTION SYSTEM AND METHOD

Title (de)  
BATTERIEZUSTANDSERFASSUNGSSYSTEM UND -VERFAHREN

Title (fr)  
SYSTÈME ET PROCÉDÉ DE DÉTECTION D'ÉTAT DE BATTERIE

Publication  
**EP 3455641 A1 20190320 (EN)**

Application  
**EP 17797018 A 20170515**

Priority  
• US 201662336118 P 20160513  
• US 201662370317 P 20160803  
• US 2017032645 W 20170515

Abstract (en)  
[origin: CN109073712A] A battery charger and method is disclosed for detecting when a battery has a low state of health while simultaneously charging or maintaining the battery. A battery charger includes a processor; a non-transitory memory device; a power management device to receive an input power and to output a charging current; a pair of electrical conductors to electrically couple with a battery; and a display electrically coupled to the processor. The display is configured to indicate a bad battery indicator when the battery has a low state of health and whether the battery is good to start.

IPC 8 full level  
**G01R 31/36** (2019.01)

CPC (source: CN EP US)  
**G01R 31/36** (2013.01 - CN); **G01R 31/371** (2018.12 - EP); **G01R 31/382** (2018.12 - CN); **G01R 31/3835** (2018.12 - EP);  
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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)  
CN 109073712 A 20181221; CN 109073712 B 20220517; CN 114624594 A 20220614; EP 3455641 A1 20190320; EP 3455641 A4 20191211

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CN 201780026057 A 20170515; CN 202210475397 A 20170515; EP 17797018 A 20170515