

Title (en)  
GRAPHITE/LITHIUM HYBRID NEGATIVE ELECTRODE

Title (de)  
HYBRIDE NEGATIVELEKTRODE AUS GRAPHIT/LITHIUM

Title (fr)  
ELECTRODE NÉGATIVE HYBRIDE GRAPHITE/LITHIUM

Publication  
**EP 4173059 A1 20230503 (FR)**

Application  
**EP 21735949 A 20210625**

Priority  
• FR 2006745 A 20200626  
• EP 2021067485 W 20210625

Abstract (en)  
[origin: WO2021260175A1] The present invention provides a mixed porous negative electrode comprising graphite and solid electrolyte particles, the structure and composition of which make it possible to increase the amount and quality of lithium deposition while avoiding large variations in thickness.

IPC 8 full level  
**H01M 4/133** (2010.01); **H01M 4/02** (2006.01); **H01M 4/134** (2010.01); **H01M 4/136** (2010.01); **H01M 4/1393** (2010.01); **H01M 4/1395** (2010.01); **H01M 4/1397** (2010.01); **H01M 4/36** (2006.01); **H01M 4/38** (2006.01); **H01M 4/587** (2010.01); **H01M 4/62** (2006.01); **H01M 10/0562** (2010.01)

CPC (source: EP US)  
**H01M 4/133** (2013.01 - EP US); **H01M 4/134** (2013.01 - EP US); **H01M 4/1393** (2013.01 - EP); **H01M 4/1395** (2013.01 - EP); **H01M 4/364** (2013.01 - EP US); **H01M 4/366** (2013.01 - EP); **H01M 4/38** (2013.01 - EP); **H01M 4/382** (2013.01 - EP US); **H01M 4/386** (2013.01 - EP US); **H01M 4/587** (2013.01 - EP US); **H01M 4/62** (2013.01 - EP); **H01M 4/625** (2013.01 - EP); **H01M 10/052** (2013.01 - US); **H01M 10/0562** (2013.01 - EP US); **H01M 2004/021** (2013.01 - EP US); **H01M 2004/027** (2013.01 - EP US); **H01M 2300/0068** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2021260175A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3112032 A1 20211231**; CN 115803906 A 20230314; EP 4173059 A1 20230503; US 2023343930 A1 20231026;  
WO 2021260175 A1 20211230

DOCDB simple family (application)  
**FR 2006745 A 20200626**; CN 202180045159 A 20210625; EP 2021067485 W 20210625; EP 21735949 A 20210625;  
US 202118011938 A 20210625