

Title (en)  
FLUOROPOLYMER BINDER

Title (de)  
FLUORPOLYMERBINDEMITTEL

Title (fr)  
LIANT POLYMERE FLUORE

Publication  
**EP 4334983 A1 20240313 (FR)**

Application  
**EP 22727960 A 20220502**

Priority  
• FR 2104641 A 20210503  
• FR 2022050845 W 20220502

Abstract (en)  
[origin: WO2022234227A1] The present invention relates generally to the field of electrical energy storage in rechargeable lithium-ion batteries. More specifically, the invention relates to a binder in powder form based on a homogeneous mixture of fluoropolymers. The invention also relates to a plurality of methods for producing said binder. Finally, the invention relates to an electrode containing said binder, and to the rechargeable lithium-ion batteries comprising at least one such electrode.

IPC 8 full level  
**H01M 4/04** (2006.01); **H01M 4/13** (2010.01); **H01M 4/139** (2010.01); **H01M 4/62** (2006.01); **H01M 10/0525** (2010.01)

CPC (source: EP KR US)  
**H01M 4/0404** (2013.01 - US); **H01M 4/0471** (2013.01 - EP KR); **H01M 4/13** (2013.01 - EP KR); **H01M 4/139** (2013.01 - EP KR);  
**H01M 4/623** (2013.01 - EP KR US); **H01M 4/624** (2013.01 - EP KR US); **H01M 4/661** (2013.01 - US); **H01M 10/0525** (2013.01 - EP KR US);  
**H01M 2004/021** (2013.01 - US); **H01M 2004/027** (2013.01 - US); **H01M 2004/028** (2013.01 - US); **Y02E 60/10** (2013.01 - EP KR)

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 3122528 A1 20221104**; CN 117280484 A 20231222; EP 4334983 A1 20240313; JP 2024519717 A 20240521; KR 20240004687 A 20240111;  
TW 202247513 A 20221201; US 2024222635 A1 20240704; WO 2022234227 A1 20221110

DOCDB simple family (application)  
**FR 2104641 A 20210503**; CN 202280032432 A 20220502; EP 22727960 A 20220502; FR 2022050845 W 20220502;  
JP 2023567978 A 20220502; KR 20237040966 A 20220502; TW 111116263 A 20220428; US 202218558551 A 20220502