

Title (en)
STABLE AQUEOUS COMPOSITIONS COMPRISING QUINONES, AND USE THEREOF IN REDOX FLOW BATTERIES

Title (de)
STABILE WÄSSRIGE ZUSAMMENSETZUNGEN UMFASSEND CHINONE UND DEREN VERWENDUNG IN REDOX-FLOW BATTERIEN

Title (fr)
COMPOSITIONS AQUEUSES STABLES COMPRENANT DES QUINONES ET LEUR UTILISATION DANS DES BATTERIES À CIRCULATION

Publication
EP 4066302 A1 20221005 (DE)

Application
EP 20811363 A 20201127

Priority

- EP 19212222 A 20191128
- EP 2020083575 W 20201127

Abstract (en)
[origin: WO2021105322A1] The present patent application relates to an aqueous composition comprising: a) at least one compound having general formula (I) and at least one compound having general formula (II), and/or at least one compound having general formula (III) and at least one compound having general formula (IV), wherein R1 and R2, independently of one another, are H or OR5, and R3 and R4, independently of one another, are H or OR5, R5 being an alkyl group or an allyl group; and b) phosphate ions and/or hydrogen phosphate ions and/or condensates thereof.

IPC 8 full level
C07C 41/26 (2006.01); **C07C 43/253** (2006.01); **C25B 3/23** (2021.01); **C25B 3/25** (2021.01); **H01M 8/18** (2006.01)

CPC (source: EP)
C07C 41/26 (2013.01); **C25B 3/23** (2021.01); **C25B 3/25** (2021.01); **H01M 8/188** (2013.01); **H01M 2300/0008** (2013.01); **Y02E 60/50** (2013.01)

Citation (search report)
See references of WO 2021105322A1

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)
EP 3828975 A1 20210602; EP 4066302 A1 20221005; WO 2021105322 A1 20210603

DOCDB simple family (application)
EP 19212222 A 20191128; EP 2020083575 W 20201127; EP 20811363 A 20201127