

Title (en)
RENEWABLE ENERGY POWERED MODULAR EXTRACTION SYSTEM

Title (de)
DURCH ERNEUERBARE ENERGIE ANGETRIEBENES MODULARES EXTRAKTIONSSYSTEM

Title (fr)
SYSTÈME D'EXTRACTION MODULAIRE ALIMENTÉ PAR ÉNERGIE RENOUVELABLE

Publication
EP 4314365 A2 20240207 (EN)

Application
EP 22788624 A 20220323

Priority
• US 202163164698 P 20210323
• US 2022021500 W 20220323

Abstract (en)
[origin: WO2022221012A2] Apparatuses and methods for extracting desired chemical species including, without limitation, lithium, specific lithium species, and/or other chemical compounds from input flows in a modular unit. The input flows may be raw materials in which lithium metal and/or lithium species are dissolved and/or extracted. The apparatuses and methods may include daisy chain flow through separate tanks, a column array, and combinations thereof. The apparatuses may be modular and mobile and may be powered by a renewable energy source.

IPC 8 full level
C22B 26/12 (2006.01); **B01D 15/00** (2006.01); **H02S 10/12** (2014.01)

CPC (source: EP)
B01D 15/00 (2013.01); **C22B 3/24** (2013.01); **C22B 26/12** (2013.01); **B01D 2311/2626** (2013.01); **B01D 2313/367** (2022.08); **B01D 2313/54** (2013.01); **B01D 2317/04** (2013.01); **B01D 2317/06** (2013.01)

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)
WO 2022221012 A2 20221020; WO 2022221012 A3 20221215; AR 125573 A1 20230726; AU 2022256300 A1 20230914; CA 3209550 A1 20221020; CL 2023002506 A1 20240315; EP 4314365 A2 20240207

DOCDB simple family (application)
US 2022021500 W 20220323; AR P220100696 A 20220323; AU 2022256300 A 20220323; CA 3209550 A 20220323; CL 2023002506 A 20230824; EP 22788624 A 20220323