

Title (en)
CUTTING SOFT METALS WITH THE AID OF ULTRASOUND

Title (de)
SCHNEIDEN VON WEICHEN METALLEN MITTELS ULTRASCHALL

Title (fr)
COUPE DE MÉTAUX MOUS PAR ASSISTANCE ULTRASONORE

Publication
EP 3894152 A1 20211020 (FR)

Application
EP 19897183 A 20191211

Priority
• CA 3027620 A 20181213
• CA 2019051782 W 20191211

Abstract (en)
[origin: CA3120747A1] Method for cutting soft metals, comprising the use of a cutting tool capable of being set in motion by ultrasonic vibration. The method is employed for cutting components used in the manufacture of an electrochemical storage device, for example a lithium battery. These components include the anodes, the cathodes, the solid electrolytes, the current collectors and the separators. The method is also employed in a system for manufacturing and/or characterizing an electrochemical storage device.

IPC 8 full level
B26D 7/08 (2006.01); **B26D 7/00** (2006.01); **H01M 10/04** (2006.01); **H01M 50/406** (2021.01)

CPC (source: EP KR US)
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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
CA 3027620 A1 20200613; CA 3120747 A1 20200618; CN 113195181 A 20210730; EP 3894152 A1 20211020; EP 3894152 A4 20220817; JP 2022513794 A 20220209; KR 20210100107 A 20210813; US 2022048122 A1 20220217; US 2024001464 A1 20240104; WO 2020118431 A1 20200618

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CA 3027620 A 20181213; CA 2019051782 W 20191211; CA 3120747 A 20191211; CN 201980082356 A 20191211; EP 19897183 A 20191211; JP 2021533519 A 20191211; KR 20217017598 A 20191211; US 201917312971 A 20191211; US 202318469399 A 20230918