

Title (en)  
PROCESS FOR MANUFACTURING ELECTROCHEMICAL CAPACITORS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON ELEKTROCHEMISCHEN KONDENSATOREN

Title (fr)  
PROCÉDÉ DE FABRICATION DE CONDENSATEURS ÉLECTROCHIMIQUES

Publication  
**EP 3607571 A1 20200212 (FR)**

Application  
**EP 18718602 A 20180403**

Priority  
• FR 1752839 A 20170403  
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Abstract (en)  
[origin: WO2018185419A1] Process for manufacturing an electrochemical capacitor comprising, in a leaktight casing: two electrodes, namely a positive electrode and a negative electrode, a separator that separates the two electrodes, and a liquid electrolyte. The process comprises the deposition of a conductive polymer by electropolymerization on at least one of said electrodes. The electropolymerization being carried out after the two electrodes and the separator have been positioned in said casing. Furthermore, the positive or negative electrodes comprise nano-objects selected from nanopowders, elongated nano-objects, nanofibers, nanotubes, carbon nanotubes, mats of vertically aligned carbon nanotubes, graphene and graphene derivatives.

IPC 8 full level  
**H01G 11/48** (2013.01); **H01G 11/36** (2013.01); **H01G 11/52** (2013.01); **H01G 11/56** (2013.01); **H01G 11/60** (2013.01); **H01G 11/62** (2013.01); **H01G 11/64** (2013.01); **H01G 11/84** (2013.01)

CPC (source: EP US)  
**H01G 11/36** (2013.01 - US); **H01G 11/48** (2013.01 - EP US); **H01G 11/52** (2013.01 - US); **H01G 11/56** (2013.01 - EP); **H01G 11/62** (2013.01 - US); **H01G 11/64** (2013.01 - EP); **H01G 11/80** (2013.01 - US); **H01G 11/84** (2013.01 - EP); **H01G 11/86** (2013.01 - US); **H01G 11/36** (2013.01 - EP); **H01G 11/52** (2013.01 - EP); **H01G 11/60** (2013.01 - EP); **H01G 11/62** (2013.01 - EP); **Y02E 60/13** (2013.01 - EP)

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JP 2002270226 A 20020920 - NGK INSULATORS LTD

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 3064812 A1 20181005**; **FR 3064812 B1 20220624**; CN 110998770 A 20200410; EP 3607571 A1 20200212; JP 2020513166 A 20200430; US 2021110981 A1 20210415; WO 2018185419 A1 20181011

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**FR 1752839 A 20170403**; CN 201880031464 A 20180403; EP 18718602 A 20180403; FR 2018050820 W 20180403; JP 2020503371 A 20180403; US 201816500181 A 20180403