

Title (en)  
SELECTIVE ELECTROCHEMICAL HYDROGENATION OF ALKYNES TO ALKENES

Title (de)  
SELEKTIVE ELEKTROCHEMISCHE HYDRIERUNG VON ALKINEN ZU ALKENEN

Title (fr)  
HYDROGÉNATION ÉLECTROCHIMIQUE SÉLECTIVE D'ALKYNES EN ALCÈNES

Publication  
**EP 3481973 A1 20190515 (DE)**

Application  
**EP 17758461 A 20170816**

Priority  
• DE 102016218230 A 20160922  
• EP 2017070699 W 20170816

Abstract (en)  
[origin: WO2018054612A1] The invention relates to a method for the partial electrochemical hydrogenation of alkynes of chemical formula (I) to alkenes, (I) wherein R and R' are selected from inorganic and/or organic residues, wherein the compound of chemical formula (I) is hydrogenated on a copper-containing electrode. The invention further relates to the use of a copper-containing electrode for such partial electrochemical hydrogenation and to a device for performing the method.

IPC 8 full level  
**C25B 3/25** (2021.01)

CPC (source: EP US)  
**C25B 3/25** (2021.01 - EP US); **C25B 11/031** (2021.01 - EP US)

Citation (search report)  
See references of WO 2018054612A1

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)  
**DE 102016218230 A1 20180322**; AU 2017329370 A1 20190321; AU 2017329370 B2 20191031; CN 109790631 A 20190521; EP 3481973 A1 20190515; EP 3481973 B1 20201014; US 2019276941 A1 20190912; WO 2018054612 A1 20180329

DOCDB simple family (application)  
**DE 102016218230 A 20160922**; AU 2017329370 A 20170816; CN 201780057594 A 20170816; EP 17758461 A 20170816; EP 2017070699 W 20170816; US 201716334132 A 20170816