

## Title (en)

ELECTROCHEMICAL CO-PRODUCTION OF CHEMICALS WITH SULFUR-BASED REACTANT FEEDS TO ANODE

## Title (de)

ELEKTROCHEMISCHE GLEICHZEITIGE HERSTELLUNG VON CHEMIKALIEN MIT SCHWEFELBASIERTEM REAKTANDENZUSTROM ZUR ANODE

## Title (fr)

COPRODUCTION ÉLECTROCHIMIQUE DE PRODUITS CHIMIQUES AVEC DES CHARGES DE RÉACTIF À BASE DE SOUFRE SUR UNE ANODE

## Publication

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## Application

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- US 201261703229 P 20120919
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## Abstract (en)

[origin: WO2014046790A1] The present disclosure is a method and system for electrochemically co-producing a first product and a second product. The system may include a first electrochemical cell, a first reactor, a second electrochemical cell, at least one second reactor, and at least one third reactor. The method and system for co- producing a first product and a second product may include co-producing a glycol and an alkene employing a recycled halide.

## IPC 8 full level

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## Citation (search report)

- [Y] US 3824163 A 19740716 - MAGET H
- [XP] US 2013118909 A1 20130516 - KACZUR JERRY J [US], et al
- [XI] US 2008223727 A1 20080918 - OLOMAN COLIN [CA], et al
- [Y] US 2012228147 A1 20120913 - SIVASANKAR NARAYANAPPA [US], et al
- [I] US 2009057161 A1 20090305 - AULICH TED R [US], et al
- See references of WO 2014046795A2

## Designated contracting state (EPC)

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## DOCDB simple family (application)

**US 2013053561 W 20130805**; AU 2013318501 A 20130805; AU 2013318502 A 20130805; AU 2013318506 A 20130805; AU 2013318507 A 20130805; AU 2018204558 A 20180622; BR 112015006113 A 20130805; BR 112015006139 A 20130805; BR 112015006196 A 20130805; BR 112015006212 A 20130805; BR 112015006214 A 20130805; CA 2883367 A 20130805; CA 2883748 A 20130805; CA 2883752 A 20130805; CA 2883900 A 20130805; CN 201380048396 A 20130805; CN 201380048416 A 20130805; CN 201380048467 A 20130805; CN 201380048487 A 20130805; CN 201380048544 A 20130805; CN 201380048712 A 20130805;

EP 13838376 A 20130805; EP 13838395 A 20130805; EP 13839027 A 20130805; EP 13839631 A 20130805; EP 13839654 A 20130805;  
EP 13839836 A 20130805; ES 13838376 T 20130805; ES 13839027 T 20130805; ES 13839836 T 20130805; JP 2015533060 A 20130805;  
JP 2015533061 A 20130805; JP 2015533062 A 20130805; JP 2015533063 A 20130805; KR 20157009795 A 20130805;  
KR 20157009797 A 20130805; KR 20157009896 A 20130805; KR 20157009898 A 20130805; SA 515360160 A 20150318;  
US 2013053569 W 20130805; US 2013053580 W 20130805; US 2013053587 W 20130805; US 2013053592 W 20130805;  
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