

Title (en)  
PROCESS FOR CONVERTING HYDROCARBON FEEDSTOCKS WITH ELECTROLYTIC RECOVERY OF HALOGEN

Title (de)  
VERFAHREN ZUR UMWANDLUNG VON KOHLENWASSERSTOFFROHMATERIAL MIT ELEKTROLYTISCHER RÜCKGEWINNUNG VON HALOGEN

Title (fr)  
PROCÉDÉ DE CONVERSION DE MATIÈRES PREMIÈRES D'HYDROCARBURES AVEC RÉCUPÉRATION ÉLECTROLYTIQUE D'HALOGÈNE

Publication  
**EP 2148942 A4 20111109 (EN)**

Application  
**EP 08754498 A 20080514**

Priority  
• US 2008006244 W 20080514  
• US 93022007 P 20070514

Abstract (en)  
[origin: WO2008143940A2] An improved continuous process for converting methane, natural gas, and other hydrocarbon feedstocks into one or more higher hydrocarbons, methanol, amines, or other products comprises continuously cycling through hydrocarbon halogenation, product formation, product separation, and electrolytic regeneration of halogen, optionally using an improved electrolytic cell equipped with an oxygen depolarized cathode.

IPC 8 full level  
**C25B 3/00** (2006.01); **C07B 37/00** (2006.01); **C07C 1/30** (2006.01); **C07C 2/00** (2006.01); **C07C 11/02** (2006.01); **C07C 29/124** (2006.01); **C07C 209/08** (2006.01); **C10B 53/04** (2006.01); **C10B 57/06** (2006.01); **C10G 50/00** (2006.01); **C25B 1/04** (2006.01); **C25B 1/24** (2006.01); **C25B 3/06** (2006.01)

CPC (source: EP KR US)  
**C07C 1/26** (2013.01 - EP); **C07C 1/30** (2013.01 - KR US); **C07C 11/02** (2013.01 - KR US); **C07C 17/06** (2013.01 - EP); **C07C 29/124** (2013.01 - EP KR); **C07C 209/08** (2013.01 - EP KR); **C10B 53/04** (2013.01 - EP KR US); **C10B 57/06** (2013.01 - EP KR US); **C10G 29/02** (2013.01 - EP KR US); **C10K 3/00** (2013.01 - KR); **C25B 1/04** (2013.01 - EP US); **C25B 1/24** (2013.01 - EP KR US); **C25B 3/27** (2021.01 - KR); **C10G 2300/1011** (2013.01 - EP KR US); **C10G 2300/1025** (2013.01 - EP KR US); **C10G 2400/30** (2013.01 - EP KR US); **H01L 2924/014** (2013.01 - EP KR US); **Y02E 60/36** (2013.01 - EP US); **Y02P 20/145** (2015.11 - EP US)

C-Set (source: EP US)  
EP  
1. **C07C 1/26 + C07C 11/02**  
2. **C07C 29/124 + C07C 31/04**  
3. **C07C 1/26 + C07C 11/04**  
4. **C07C 1/26 + C07C 11/06**  
5. **C07C 209/08 + C07C 211/03**  
6. **C07C 17/06 + C07C 19/075**  
US  
**C07C 1/30 + C07C 11/02**

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• [ADP] US 2007238909 A1 20071011 - GADEWAR SAGAR B [US], et al  
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• See references of WO 2008143940A2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008143940 A2 20081127; WO 2008143940 A3 20091230**; AP 2009005040 A0 20091231; AU 2008254937 A1 20081127; AU 2008254937 B2 20130117; AU 2008254937 C1 20130530; BR PI0811606 A2 20190924; CA 2684765 A1 20081127; CN 101687725 A 20100331; CO 6241174 A2 20110120; EA 017229 B1 20121030; EA 200970960 A1 20100430; EA 201200888 A1 20130228; EC SP099732 A 20100226; EP 2148942 A2 20100203; EP 2148942 A4 20111109; IN 7232DEN2009 A 20150724; JP 2010527358 A 20100812; KR 20100027135 A 20100310; MX 2009012353 A 20100217; NO 20093337 L 20100212; NZ 580996 A 20110930; TN 2009000480 A1 20110331; US 2008314758 A1 20081225; ZA 200907775 B 20100728

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**US 2008006244 W 20080514**; AP 2009005040 A 20080514; AU 2008254937 A 20080514; BR PI0811606 A 20080514; CA 2684765 A 20080514; CN 200880016076 A 20080514; CO 09129699 A 20091113; EA 200970960 A 20080514; EA 201200888 A 20080514; EC SP099732 A 20091113; EP 08754498 A 20080514; IN 7232DEN2009 A 20091109; JP 2010508428 A 20080514; KR 20097025908 A 20080514; MX 2009012353 A 20080514; NO 20093337 A 20091113; NZ 58099608 A 20080514; TN 2009000480 A 20091110; US 15251508 A 20080514; ZA 200907775 A 20091105