

Title (en)  
GLYCOL DILEVULINATES AS COUPLING AGENTS IN CLEANING FORMULATIONS

Title (de)  
GLYCOLDILEVULINATE ALS KOPPLUNGSMITTEL IN REINIGERFORMULIERUNGEN

Title (fr)  
DILÉVULINATES DE GLYCOL COMME AGENTS DE COUPLAGE DANS DES FORMULATIONS DE NETTOYAGE

Publication  
**EP 2872611 B1 20160810 (EN)**

Application  
**EP 12780600 A 20121011**

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Abstract (en)  
[origin: WO2014035445A1] The present invention provides water-based cleaning formulations comprising one or more organic solvents having low solubility in water and an alkylene glycol dilevulinate for coupling the organic solvent with water.

IPC 8 full level  
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CPC (source: EP)  
**C11D 3/18** (2013.01); **C11D 3/187** (2013.01); **C11D 3/188** (2013.01); **C11D 3/2093** (2013.01); **C11D 3/24** (2013.01); **C11D 3/382** (2013.01); **C11D 3/43** (2013.01); **C11D 3/50** (2013.01); **C11D 7/266** (2013.01); **C11D 7/5004** (2013.01); **C11D 7/5018** (2013.01); **C11D 7/5022** (2013.01); **C11D 7/5027** (2013.01)

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**WO 2014035445 A1 20140306**; BR 112015003775 A2 20191217; CN 104685046 A 20150603; CN 104685046 B 20180522; EP 2872611 A1 20150520; EP 2872611 B1 20160810; JP 2015531811 A 20151105; JP 6050496 B2 20161221

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**US 2012059657 W 20121011**; BR 112015003775 A 20121011; CN 201280075568 A 20121011; EP 12780600 A 20121011; JP 2015529775 A 20121011