

Title (en)
METHOD FOR OBTAINING A DIALKYL CARBONATE AND AN ALKYLENE GLYCOL

Title (de)
VERFAHREN ZUR GEWINNUNG EINES DIALKYL CARBONATS UND EINES ALKYLENGLYKOLS

Title (fr)
PROCÉDÉ POUR OBTENIR UN DIALKYL CARBONATE ET UN ALKYLÈNE GLYCOL

Publication
EP 2788315 A1 20141015 (DE)

Application
EP 12799132 A 20121205

Priority

- EP 11191894 A 20111205
- EP 2012074478 W 20121205
- EP 12799132 A 20121205

Abstract (en)
[origin: WO2013083618A1] The invention relates to a method for obtaining a dialkyl carbonate and an alkylene glycol from a material flow containing dialkyl carbonate, alkylene carbonate, alkylene glycol, and alcohol, said method having the following steps: (a) separating a material flow (5) containing dialkyl carbonate and alkylene glycol in the form of a heteroazeotrope from the material flow containing dialkyl carbonate, alkylene carbonate, alkylene glycol, and alcohol in a distillative manner in a first distillation stage (1), and (b) separating the material flow (5) containing dialkyl carbonate and alkylene glycol in the form of a heteroazeotrope into a first raw product flow (27) which substantially contains dialkyl carbonate and a second raw product flow (29) which substantially contains alkylene glycol in a device for the purpose of a phase separation (25).

IPC 8 full level
C07C 68/08 (2006.01); **B01D 3/00** (2006.01); **B01D 3/14** (2006.01); **B01D 3/40** (2006.01); **C07C 29/80** (2006.01); **C07C 29/86** (2006.01); **C07C 31/20** (2006.01); **C07C 68/06** (2006.01); **C07C 69/96** (2006.01)

CPC (source: CN EP)
B01D 3/009 (2013.01 - CN EP); **B01D 3/141** (2013.01 - CN EP); **B01D 3/36** (2013.01 - CN EP); **C07C 29/80** (2013.01 - CN EP); **C07C 29/86** (2013.01 - CN EP); **C07C 68/065** (2013.01 - CN EP); **C07C 68/08** (2013.01 - CN EP); **Y02P 20/10** (2015.11 - EP); **Y02P 20/582** (2015.11 - EP)

Citation (search report)
See references of WO 2013083618A1

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

DOCDB simple family (publication)
WO 2013083618 A1 20130613; BR 112014013557 A2 20170613; BR 112014013557 A8 20170613; CN 104203899 A 20141210; EP 2788315 A1 20141015; IN 4151CHN2014 A 20150717; JP 2015504855 A 20150216; KR 20140113931 A 20140925

DOCDB simple family (application)
EP 2012074478 W 20121205; BR 112014013557 A 20121205; CN 201280069004 A 20121205; EP 12799132 A 20121205; IN 4151CHN2014 A 20140603; JP 2014545236 A 20121205; KR 20147018561 A 20121205