

Title (en)
MANUFACTURE OF ETHYLENE/CARBOXYLIC ACID COPOLYMERS FROM RENEWABLE MATERIALS, COPOLYMERS OBTAINED AND USES

Title (de)
HERSTELLUNG VON ETHYLEN-CARBONSÄURE-COPOLYMEREN AUS ERNEUERBAREN MATERIALIEN, DIE ERHALTENEN COPOLYMERE UND ANWENDUNGEN

Title (fr)
FABRICATION DE COPOLYMERES ETHYLENE/ACIDE CARBOXYLIQUE A PARTIR DE MATIERES RENOUVELABLES, COPOLYMERES OBTENUS ET UTILISATIONS

Publication
EP 2365989 A1 20110921 (FR)

Application
EP 09768174 A 20091110

Priority
• FR 2009052166 W 20091110
• FR 0857689 A 20081113

Abstract (en)
[origin: WO2010055258A1] The present application relates to a process for the manufacture of copolymers of ethylene and of at least one vinyl ester, comprising the following steps: a) fermentation of renewable starting materials so as to produce at least one alcohol comprising ethanol; b) dehydration of the alcohol obtained so as to produce at least one alkene comprising ethylene and, optionally, purification of the alkene so as to obtain ethylene, c) copolymerization of the ethylene with at least one vinyl ester, d) isolation of the copolymer obtained. The application also relates to the copolymers of ethylene and of at least one vinyl ester in which the ethylene is at least partly obtained from renewable starting materials, and to uses thereof.

IPC 8 full level
C08F 210/02 (2006.01); **C08F 220/00** (2006.01); **C08J 5/18** (2006.01); **C08L 23/08** (2006.01); **C08L 33/00** (2006.01); **C09J 123/08** (2006.01); **C09J 133/00** (2006.01)

CPC (source: EP US)
C08F 210/02 (2013.01 - EP US); **C08L 23/0869** (2013.01 - EP US); **C09J 123/08** (2013.01 - EP US); **C08L 23/0815** (2013.01 - EP US); **Y10T 428/139** (2015.01 - EP US); **Y10T 428/1397** (2015.01 - EP US)

Citation (search report)
See references of WO 2010055258A1

Citation (examination)
• WO 2008062709 A1 20080529 - MITSUI CHEMICALS INC [JP], et al
• EP 1953129 A1 20080806 - MITSUI CHEMICALS INC [JP]

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
FR 2938262 A1 20100514; **FR 2938262 B1 20101119**; BR PI0922029 A2 20151215; EP 2365989 A1 20110921; US 2012021156 A1 20120126; US 2014005323 A1 20140102; WO 2010055258 A1 20100520

DOCDB simple family (application)
FR 0857689 A 20081113; BR PI0922029 A 20091110; EP 09768174 A 20091110; FR 2009052166 W 20091110; US 200913129157 A 20091110; US 201314020274 A 20130906