

Title (en)  
THERMOPLASTIC COPOLYIMIDES

Title (de)  
THERMOPLASTISCHE COPOLYIMIDE

Title (fr)  
COPOLYIMIDES THERMOPLASTIQUES

Publication  
**EP 2758451 A1 20140730 (FR)**

Application  
**EP 12759734 A 20120918**

Priority  
• FR 1158326 A 20110920  
• EP 2012068369 W 20120918

Abstract (en)  
[origin: WO2013041532A1] The invention relates to semi-crystalline and semi-aromatic thermoplastic copolyimides obtained by the polymerisation of at least: (a) an aromatic compound comprising two anhydride functions and/or the carboxylic acid and/or ester derivatives thereof; (b) a diamine of formula (I) NH<sub>2</sub>-R-NH<sub>2</sub> wherein R is a hydrocarbonated and aliphatic divalent radical, optionally comprising heteroatoms, the two amine functions being separated by a number of carbon atoms X, X being between 4 and 12; and (c) a diamine of formula (II) NH<sub>2</sub>-R'-NH<sub>2</sub> wherein R' is a hydrocarbonated and aliphatic divalent radical, optionally comprising heteroatoms, the two amine functions being separated by a number of carbon atoms Y, Y being between 10 and 20; with the proviso that diamine (b) is different from diamine (c).

IPC 8 full level  
**C08G 73/10** (2006.01); **C08L 79/08** (2006.01)

CPC (source: EP US)  
**B29C 45/0001** (2013.01 - US); **B29C 49/04** (2013.01 - US); **C07C 63/313** (2013.01 - US); **C07C 211/09** (2013.01 - US);  
**C08G 73/1042** (2013.01 - EP US); **C08G 73/1075** (2013.01 - EP US); **C08G 73/1082** (2013.01 - EP US); **C08K 3/013** (2018.01 - EP US);  
**B29K 2079/08** (2013.01 - US); **B29K 2105/0085** (2013.01 - US)

C-Set (source: EP US)  
**C08K 3/013 + C08L 79/08**

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)  
**FR 2980203 A1 20130322; FR 2980203 B1 20141226**; EP 2758451 A1 20140730; JP 2014526594 A 20141006; JP 2018053251 A 20180405;  
KR 20140069168 A 20140609; US 2015045501 A1 20150212; US 2018030206 A1 20180201; WO 2013041532 A1 20130328

DOCDB simple family (application)  
**FR 1158326 A 20110920**; EP 12759734 A 20120918; EP 2012068369 W 20120918; JP 2014531198 A 20120918; JP 2017201707 A 20171018;  
KR 20147010091 A 20120918; US 201214345070 A 20120918; US 201715730414 A 20171011