

Title (en)
METHOD FOR THE POLYMERISATION OF CYCLOOLEFINS BY MEANS OF RING-OPENING METATHESIS

Title (de)
VERFAHREN ZUR POLYMERISATION VON CYCLOOLEFINEN MITTELS RINGÖFFNUNGSMETATHESE

Title (fr)
PROCÉDÉ DE POLYMÉRISATION DE CYCLOOLÉFINES PAR MÉTATHÈSE AVEC OUVERTURE DE CYCLE

Publication
EP 3728391 A1 20201028 (FR)

Application
EP 18842435 A 20181220

Priority
• FR 1763135 A 20171222
• FR 2018053452 W 20181220

Abstract (en)
[origin: WO2019122746A1] The present invention relates to a method for the polymerisation of cycloolefins by means of ring-opening metathesis. The reaction is carried out in the presence of at least one particular catalyst, selected from among complexes of alkylidene ruthenium comprising at least one 1-aryl-3-cycloalkyl-imidazoline-2-ylidene ligand and mixtures thereof. The invention also relates to a kit for implementing the method.

IPC 8 full level
C08G 61/08 (2006.01); **B01J 31/22** (2006.01); **C08L 65/00** (2006.01)

CPC (source: EP KR US)
B01J 31/2273 (2013.01 - EP KR); **B01J 31/2278** (2013.01 - EP KR US); **C08G 61/08** (2013.01 - EP KR US); **C08J 5/243** (2021.05 - EP KR US); **C08J 5/244** (2021.05 - EP KR US); **C08J 5/246** (2021.05 - EP KR US); **C08L 65/00** (2013.01 - EP KR); **B01J 2231/543** (2013.01 - US); **B01J 2531/821** (2013.01 - US); **B01J 2540/60** (2013.01 - EP KR US); **C08G 2261/3322** (2013.01 - EP KR US); **C08G 2261/3323** (2013.01 - EP KR US); **C08G 2261/3324** (2013.01 - EP KR US); **C08G 2261/3325** (2013.01 - EP KR US); **C08G 2261/374** (2013.01 - KR); **C08G 2261/418** (2013.01 - EP KR US); **C08G 2261/58** (2013.01 - US); **C08G 2261/592** (2013.01 - US); **C08G 2261/62** (2013.01 - EP KR US); **C08G 2261/64** (2013.01 - EP KR)

C-Set (source: EP)
C08K 5/0091 + C08L 65/00

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019122746 A1 20190627; BR 112020009250 A2 20201020; CN 111655753 A 20200911; EA 202091281 A1 20200917; EP 3728391 A1 20201028; FR 3075802 A1 20190628; FR 3075802 B1 20201120; JP 2021507958 A 20210225; JP 7335244 B2 20230829; KR 20200104295 A 20200903; US 11261290 B2 20220301; US 2020339741 A1 20201029

DOCDB simple family (application)
FR 2018053452 W 20181220; BR 112020009250 A 20181220; CN 201880082631 A 20181220; EA 202091281 A 20181220; EP 18842435 A 20181220; FR 1763135 A 20171222; JP 2020533061 A 20181220; KR 20207017008 A 20181220; US 201816955812 A 20181220