

Title (en)
ANIONIC POLYMERISATION OF LACTAMS

Title (de)
ANIONISCHE POLYMERISATION VON LACTAMEN

Title (fr)
POLYMÉRATION ANIONIQUE DE LACTAMES

Publication
EP 3350248 A1 20180725 (DE)

Application
EP 16762808 A 20160907

Priority
• EP 15185507 A 20150916
• EP 2016071111 W 20160907

Abstract (en)
[origin: WO2017045988A1] The present invention relates to a method for producing a polyamide (P) via the reaction of a mixture (M) which contains at least one lactam (component (A)), at least one catalyst (component (B)), at least one activator (component (C)) and at least one oxazolidine derivative (component (D)). In addition, the present invention relates to the mixture (M) and the use of an oxazolidine derivative in order to increase the crystallisation rate of a polyamide (P). The present invention also relates to the use of an oxazolidine derivative in a polyamide (P) in order to produce a moulded body made from the polyamide (P) so as to reduce the time for removing the moulded body from the mould, and to the use of an oxazolidine derivative in order to remove water from a reaction mixture (RM).

IPC 8 full level
C08G 69/16 (2006.01); **C07D 263/10** (2006.01); **C08G 69/18** (2006.01); **C08G 69/20** (2006.01)

CPC (source: EP KR US)
C07D 223/10 (2013.01 - EP KR US); **C07D 263/04** (2013.01 - EP KR US); **C07D 263/06** (2013.01 - EP KR US);
C08G 69/18 (2013.01 - EP KR US)

Citation (search report)
See references of WO 2017045988A1

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 2017045988 A1 20170323; CN 108350169 A 20180731; EP 3350248 A1 20180725; JP 2018530647 A 20181018;
KR 20180054708 A 20180524; US 2019085127 A1 20190321

DOCDB simple family (application)
EP 2016071111 W 20160907; CN 201680066718 A 20160907; EP 16762808 A 20160907; JP 2018514275 A 20160907;
KR 20187010528 A 20160907; US 201615760665 A 20160907