

Title (en)  
PHOSPHORUS-CONTAINING THERMOPLASTIC POLYMERS

Title (de)  
PHOSPHORHALTIGE THERMOPLASTISCHE POLYMERE

Title (fr)  
POLYMÈRES THERMOPLASTIQUES PHOSPHORÉS

Publication  
**EP 3740516 A1 20201125 (DE)**

Application  
**EP 19700367 A 20190110**

Priority  
• DE 102018100984 A 20180117  
• EP 2019050482 W 20190110

Abstract (en)  
[origin: CA3085108A1] The invention relates to a polymer, a method for producing the polymer, use of the polymer and to flame retardants and plastics compositions containing the polymer. An acrylate-based phosphorus-containing polymer is described, which is not crosslinked or only slightly crosslinked and forms the claimed polymer. The polymer is suitable as a flame retardant and for use in flame retardants for plastics.

IPC 8 full level  
**C08F 130/02** (2006.01); **C08F 230/02** (2006.01); **C09K 21/14** (2006.01)

CPC (source: EP KR US)  
**C08F 30/02** (2013.01 - US); **C08F 130/02** (2013.01 - EP KR); **C08F 230/02** (2013.01 - EP KR); **C08K 3/08** (2013.01 - US); **C08K 3/32** (2013.01 - US); **C08K 5/34922** (2013.01 - US); **C08K 5/34924** (2013.01 - US); **C08K 5/5313** (2013.01 - US); **C08L 33/16** (2013.01 - KR); **C08L 43/02** (2013.01 - KR); **C08L 67/02** (2013.01 - EP KR US); **C08L 69/00** (2013.01 - EP KR US); **C08L 77/06** (2013.01 - EP KR US); **C09K 21/14** (2013.01 - EP KR US); **C08K 2003/0893** (2013.01 - US); **C08K 2003/328** (2013.01 - US); **C08L 2201/02** (2013.01 - KR US)

Citation (search report)  
See references of WO 2019141572A1

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)  
**DE 102018100984 A1 20190718**; BR 112020012036 A2 20201124; CA 3085108 A1 20190725; CN 111556879 A 20200818; EP 3740516 A1 20201125; JP 2021511406 A 20210506; KR 20200104390 A 20200903; MX 2020007597 A 20200903; RU 2020126687 A 20220217; TW 201938605 A 20191001; US 2020347161 A1 20201105; WO 2019141572 A1 20190725

DOCDB simple family (application)  
**DE 102018100984 A 20180117**; BR 112020012036 A 20190110; CA 3085108 A 20190110; CN 201980007339 A 20190110; EP 19700367 A 20190110; EP 2019050482 W 20190110; JP 2020539196 A 20190110; KR 20207022244 A 20190110; MX 2020007597 A 20190110; RU 2020126687 A 20190110; TW 108100824 A 20190109; US 201916962649 A 20190110