

Title (en)
FLAMEPROOF ACRYLATE

Title (de)
FLAMMGESCHÜTZTES ACRYLAT

Title (fr)
ACRYLATE RÉSISTANT À LA FLAMME

Publication
EP 4168459 A1 20230426 (DE)

Application
EP 21733425 A 20210615

Priority
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Abstract (en)
[origin: WO2021254993A1] The invention relates to: a process for producing oxa phosphaphenanthrene oxide acrylate monomers by phospho-Michael addition to acrylates, in which process oxa phosphaphenanthrene oxide is reacted with an α,ω -alkyldiol diacrylate in a molar ratio of 1:1.5 to 1:10 in the presence of a base and a polymerisation inhibitor at temperatures of 70 to 120°C and unreacted α,ω -alkyldiol diacrylate is removed; monomers obtainable by means of the process and the use thereof for producing flameproof thermoplastic (meth)acrylate polymers and a process for producing flameproof thermoplastic (meth)acrylate polymers using the monomers; polymers obtainable thereby and the use thereof for producing transparent films and panels.

IPC 8 full level
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C07F 9/657172 (2013.01 - EP US); **C08F 230/02** (2013.01 - US); **C08L 43/02** (2013.01 - US); **C09D 5/18** (2013.01 - US); **C09D 143/02** (2013.01 - EP US); **C09K 21/12** (2013.01 - EP); **C09K 21/14** (2013.01 - EP); **C08L 2201/10** (2013.01 - US); **C08L 2203/16** (2013.01 - US)

Citation (search report)
See references of WO 2021254993A1

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KH MA MD TN

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