

Title (en)

DIHYDROXY LACTAM BASED POLYMERS, COMPOSITIONS AND APPLICATIONS THEREOF

Title (de)

POLYMEREN AUF DER BASIS VON DIHYDROXYLACTAM, ZUSAMMENSETZUNGEN UND ANWENDUNGEN DAVON

Title (fr)

POLYMIÈRES À BASE DE DIHYDROXYLACTAME, COMPOSITIONS ET LEURS APPLICATIONS

Publication

**EP 3914635 A4 20221019 (EN)**

Application

**EP 20745778 A 20200123**

Priority

US 2020014741 W 20200123

Abstract (en)

[origin: WO2020154471A1] A lactam-functionalized polymer is disclosed. The dihydroxy lactam based polymer includes polyesters, polycarbonates, polyethers, poly (ester ethers), poly (ester amides), polyimides, polyamides, poly acrylates and poly (ester imides), and polyurethanes. The applications of the dihydroxy lactam based polymers are also disclosed.

IPC 8 full level

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**C08G 18/73** (2006.01); **C08G 18/76** (2006.01); **C08G 63/00** (2006.01); **C08G 63/685** (2006.01); **C08G 63/91** (2006.01); **C08G 64/02** (2006.01);  
**C08G 69/44** (2006.01); **C08G 71/04** (2006.01)

CPC (source: EP)

**C08G 18/246** (2013.01); **C08G 18/2825** (2013.01); **C08G 18/348** (2013.01); **C08G 18/3844** (2013.01); **C08G 18/4833** (2013.01);  
**C08G 18/73** (2013.01); **C08G 18/7671** (2013.01); **C08G 63/685** (2013.01); **C08G 63/912** (2013.01); **C08G 64/0241** (2013.01)

Citation (search report)

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- [IA] FR 1286313 A 19620302 - GEN ANILINE & FILM CORP
- [XAI] US 5861193 A 19990119 - GOLDSTEIN STEPHEN L [US], et al
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- See also references of WO 2020154471A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2020154471 A1 20200730**; CN 113631632 A 20211109; CN 113631632 A8 20211217; EP 3914635 A1 20211201;  
EP 3914635 A4 20221019; JP 2022518806 A 20220316

DOCDB simple family (application)

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