

Title (en)

PROCESS FOR PRODUCING POLYOXYMETHYLENE-POLYALKYLENE OXIDE BLOCK COPOLYMERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYOXYMETHYLEN-POLYALKYLENOXID-BLOCKCOPOLYMEREN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE COPOLYMÈRES SÉQUENCÉS D'OXYDE DE POLYALKYLÈNE DE POLYOXYMÉTHYLÈNE

Publication

EP 3883980 A1 20210929 (DE)

Application

EP 19802180 A 20191114

Priority

- EP 18207807 A 20181122
- EP 2019081407 W 20191114

Abstract (en)

[origin: WO2020114751A1] In a process for producing polyoxymethylene-polyalkylene oxide block copolymers comprising the step of polymerizing an alkylene oxide in the presence of an OH-terminated polyoxymethylene polymer and a catalyst, the polyoxymethylene polymer has a number-average molecular weight M_n determined after derivatization with propylene oxide and gel permeation chromatography against polystyrene standards with tetrahydrofuran as the eluent of ≥ 1100 g/mol to ≤ 2300 g/mol and the ratio of alkylene oxide to polyoxymethylene polymer is ≥ 0.05 mol/g. The invention further relates to copolymers obtainable by the process, to a process for producing polyurethane polymers using these copolymers and to polyurethanes obtainable therefrom.

IPC 8 full level

C08G 2/22 (2006.01); **C08G 2/38** (2006.01); **C08G 18/44** (2006.01); **C08G 18/48** (2006.01); **C08G 18/56** (2006.01); **C08G 18/73** (2006.01); **C08G 18/75** (2006.01); **C08G 18/76** (2006.01); **C08G 18/79** (2006.01); **C08G 64/18** (2006.01)

CPC (source: EP US)

C08G 2/22 (2013.01 - EP); **C08G 2/38** (2013.01 - EP US); **C08G 18/10** (2013.01 - US); **C08G 18/4825** (2013.01 - EP US); **C08G 18/4866** (2013.01 - EP); **C08G 18/546** (2013.01 - US); **C08G 18/56** (2013.01 - EP US); **C08G 18/73** (2013.01 - EP US); **C08G 18/755** (2013.01 - EP); **C08G 18/7621** (2013.01 - EP US); **C08G 18/7664** (2013.01 - EP); **C08G 18/7671** (2013.01 - EP US); **C08G 18/792** (2013.01 - EP); **C08G 64/183** (2013.01 - EP); **C08G 65/2603** (2013.01 - US); **C08G 65/2663** (2013.01 - US); **C08L 75/08** (2013.01 - US)

Citation (search report)

See references of WO 2020114751A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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