

Title (en)

PROCESS FOR PRODUCING POLYOXYMETHYLENE POLYMERS HAVING INTERMEDIATE CHAIN LENGTH

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYOXYMETHYLEN-POLYMEREN MIT MITTLERER KETTENLÄNGE

Title (fr)

PROCÉDÉ DE PRÉPARATION DE POLYMÈRES DE POLYOXYMÉTHYLÈNE DE LONGUEUR DE CHAÎNE INTERMÉDIAIRE

Publication

**EP 3883979 A1 20210929 (DE)**

Application

**EP 19804731 A 20191120**

Priority

- EP 18207740 A 20181122
- EP 2019081903 W 20191120

Abstract (en)

[origin: WO2020104512A1] A process for producing polyoxymethylene polymers comprises the reaction of aqueous formaldehyde solution with an aqueous solution of a base, wherein A) a starter solution comprising formaldehyde is initially charged and B) an aqueous formaldehyde solution and a base are added to the starter solution to obtain a reaction mixture. The starter solution in step A) has a temperature of  $\geq 40^{\circ}\text{C}$  to  $\leq 46^{\circ}\text{C}$  and the additions of the solutions in step B) are performed at a temperature of the reaction mixture of  $\geq 40^{\circ}\text{C}$  to  $\leq 46^{\circ}\text{C}$ . The base is an alkali metal hydroxide and/or an alkaline earth metal hydroxide and the molar ratio of formaldehyde to base is  $\geq 55:1$  to  $\leq 90:1$  based on the total amounts of formaldehyde and base employed in the process. The base in step B) is added in aqueous solution.

IPC 8 full level

**C08G 2/08** (2006.01); **C08G 2/06** (2006.01); **C08G 2/18** (2006.01)

CPC (source: EP US)

**C08G 2/06** (2013.01 - EP US); **C08G 2/08** (2013.01 - EP US); **C08G 2/18** (2013.01 - EP)

Citation (search report)

See references of WO 2020104512A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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