

ABSTRACT

**METHOD FOR THE PRODUCTION OF POLYETHER CARBONATE POLYOLS
AND DEVICE THEREFOR**

The present invention relates to a method for producing polyether carbonate polyols by addition of one or more alkylene oxides and carbon dioxide to one or more H-functional starter substances in the presence of at least one DMC catalyst, in which the reaction is conducted in a main reactor (8) and a tubular reactor (11, 17) connected as a post reactor downstream thereof, wherein the method is characterized in that at the outlet (13) of the tubular reactor (11, 17) a temperature is set that is at least 10 °C above the temperature in the inside of the main reactor (8). The invention further relates to a device for carrying out said method.