



US 20030092872A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0092872 A1**

Boden et al. (43) **Pub. Date: May 15, 2003**

(54) **METHOD FOR PREPARING A DIALKYL CARBONATE, AND ITS USE IN THE PREPARATION OF DIARYL CARBONATES AND POLYCARBONATES**

(76) Inventors: **Eugene Pauling Boden**, Scotia, NY (US); **Ganesh Kailasam**, Murcia (ES); **Larry Neil Lewis**, Scotia, NY (US); **Ignacio Vic Fernandez**, Madrid (ES)

Correspondence Address:
CANTOR COLBURN, LLP
55 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002

(21) Appl. No.: **09/682,285**

(22) Filed: **Aug. 14, 2001**

Publication Classification

(51) **Int. Cl.⁷** **C08G 64/00**

(52) **U.S. Cl.** **528/196**

(57) **ABSTRACT**

Unexpected corrosion of downstream sections of a dialkyl carbonate manufacturing apparatus has been traced to alkyl chloroformate impurities, which slowly decompose to yield hydrochloric acid. An improved process and apparatus for dialkyl carbonate synthesis reduce corrosion by physically removing or chemically decomposing the alkyl chloroformate impurities within the corrosion-resistant upstream sections of the apparatus.