

Title (en)

PROCESS AND APPARATUS FOR THE PREPARATION OF LINEAR, HIGH MOLECULAR POLYESTERS

Publication

**EP 0000918 A3 19790404**

Application

**EP 78100670 A 19780816**

Priority

- DE 2738093 A 19770824
- DE 2803530 A 19780127

Abstract (en)

[origin: US4214072A] A process for the manufacture of high molecular weight linear polyesters which are derived from dicarboxylic acids or their ester-forming derivatives and from diols, by condensing polyester precondensates, having a relative viscosity of at least 1.05, at from 270 DEG to 340 DEG C. under reduced pressure, the condensation being started at from 290 DEG to 340 DEG C. and the temperature being lowered as the condensation progresses, the final temperature being at least 10 DEG C. above the melting point of the particular polyester produced, and an apparatus for carrying out the process.

IPC 1-7

**C08G 63/22**; **C08G 63/00**; **B01J 1/00**

IPC 8 full level

**B01J 19/00** (2006.01); **C08G 63/78** (2006.01); **C08G 63/00** (2006.01)

CPC (source: EP US)

**B01J 19/0013** (2013.01 - EP US); **C08G 63/78** (2013.01 - EP US); **C08G 63/785** (2013.01 - EP US); **B01J 2219/00081** (2013.01 - EP US); **B01J 2219/0013** (2013.01 - EP US); **B01J 2219/00162** (2013.01 - EP US); **B01J 2219/00168** (2013.01 - EP US)

Citation (search report)

- US 3640962 A 19720208 - MOSCHEL ALBRECHT
- [AD] FR 1545487 A 19681108 - BEMBERG SPA
- [AD] DE 1959455 A1 19700611 - RHODIACETA
- [AD] DE 1920954 A1 19691106 - ASAHI CHEMICAL IND
- CHEMICAL ABSTRACTS, vol. 73, no. 12, 21 sept 1970, Columbus, Ohio, (USA) FISYUK, L.T. GRAIZEL, L.A.: "Intensification of the poly condensation stage during the production of poly (ethylene terephthalate), Seite 39, 1e Spalte, Zusammenfassung 57003q, KHIM. VOLOKNA 1970, (3) 70-1

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EP0346735A3; US7168540B2; US7300999B2

Designated contracting state (EPC)

BE CH DE FR GB NL

DOCDB simple family (publication)

**EP 0000918 A2 19790307**; **EP 0000918 A3 19790404**; **EP 0000918 B1 19820317**; DE 2861668 D1 19820415; IT 1097584 B 19850831; IT 7826342 A0 19780731; JP S5443997 A 19790406; US 4214072 A 19800722; US 4235844 A 19801125

DOCDB simple family (application)

**EP 78100670 A 19780816**; DE 2861668 T 19780816; IT 2634278 A 19780731; JP 10151178 A 19780822; US 2429879 A 19790327; US 93263278 A 19780810