Title (en)

CONTROL SYSTEM FOR CONTINUOUS POLYAMIDATION PROCESS

Title (de)

REGELUNGSSYSTEM ZUR KONTINUIERLICHEN POLYAMID-HERSTELLUNG

Title (fr)

SYSTEME DE REGULATION D'UN PROCEDE DE POLYAMIDATION EN CONTINU

Publication

EP 1080129 A1 20010307 (EN)

Application

EP 99924508 A 19990526

Priority

- US 9911577 W 19990526
- US 8729298 P 19980529

Abstract (en)

[origin: WO9961510A1] An improved polyamidation system and control system for producing a polyamide from molten dicarboxylic acid monomer and molten diamine monomer. The polyamidation control system measures the molar ratio of the molten dicarboxylic acid monomer and molten diamine monomer with a partially polymerized mixture. A feed forward control algorithm is employed within the control system to determine the extent to which the ratio of the initial reactants must be altered prior to mixing in order to produce the resulting polyamide having stoichiometrically balanced molar ratio.

IPC 1-7

C08G 69/28; C08G 69/32; B01J 19/00

IPC 8 full level

C08G 69/10 (2006.01); **C08G 69/32** (2006.01); **C08G 69/48** (2006.01); **C08G 69/28** (2006.01)

CPC (source: EP KR)

C08G 69/10 (2013.01 - EP); **C08G 69/28** (2013.01 - KR); **C08G 69/48** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9961510 A1 19991202; AU 4099099 A 19991213; AU 748194 B2 20020530; BR 9910791 A 20010213; CA 2332937 A1 19991202; CN 1310736 A 20010829; EE 200000695 A 20020415; EP 1080129 A1 20010307; HU P0101992 A2 20010928; HU P0101992 A3 20030128; IL 139815 A0 20020210; JP 2002516365 A 20020604; KR 20010070956 A 20010728; MX PA00011755 A 20020401; NO 20006013 D0 20001128; NO 20006013 L 20010125; PL 344401 A1 20011105; RU 2000133318 A 20021127; SK 17622000 A3 20010510; TR 200003533 T2 20010420; TW 442517 B 20010623

DOCDB simple family (application)

US 9911577 W 19990526; AU 4099099 A 19990526; BR 9910791 A 19990526; CA 2332937 A 19990526; CN 99809020 A 19990526; EE P200000695 A 19990526; EP 99924508 A 19990526; HU P0101992 A 19990526; IL 13981599 A 19990526; JP 2000550907 A 19990526; KR 20007013251 A 20001124; MX PA00011755 A 20001128; NO 20006013 A 20001128; PL 34440199 A 19990526; RU 2000133318 A 19990526; SK 17622000 A 19990526; TR 200003533 T 19990526; TW 88108917 A 19990729