

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 April 2008 (17.04.2008)

PCT

(10) International Publication Number
WO 2008/043472 A1

(51) International Patent Classification:

C08F 6/24 (2006.01) **B01J 19/18** (2006.01)
C08F 2/00 (2006.01) **B01J 19/24** (2006.01)
B01J 8/00 (2006.01)

(21) International Application Number:

PCT/EP2007/008601

(22) International Filing Date: 4 October 2007 (04.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

06255259.1	12 October 2006 (12.10.2006)	EP
06255273.2	12 October 2006 (12.10.2006)	EP
06255272.4	12 October 2006 (12.10.2006)	EP

(71) Applicant (for all designated States except US): **INEOS MANUFACTURING BELGIUM NV** [BE/BE]; Scheldelaan 482, B-2040 Antwerpen (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARISSAL, Daniel** [BE/FR]; 5, allée des Cedres, F-13620 Carry Le Rouet (FR). **WALWORTH, Brent, R.** [US/BE]; Nijverheidsstraat 50, B-9100 Sint-Niklaas (BE).

(74) Agent: **SMITH, Julian, Philip, Howard**; Compass Patents LLP, 120 Bridge Road, Chertsey, Surrey KT16 8LA (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report

(54) Title: POLYMER STREAM TRANSFER

(57) Abstract: Process for heating a polymer-containing stream being transferred from a polymerisation reactor to a degassing vessel, comprising passing the stream through a heater comprising a transfer line for the stream and means for heating the transfer line, wherein the ratio of the stream velocity at the outlet of the heater to that at the inlet, V_o/V_i , is at least 1.1, typically between 1.2 and 4.



WO 2008/043472 A1