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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
2 July 2009

(54) Title: PROCESS FOR THE PREPARATION OF HIGH FLUIDITY PROPYLENE POLYMERS

(57) Abstract: Process for the production of propylene polymers having a Melt Flow rate (230°C, 2.16 Kg) higher than 30 g/10' and preferably higher than 50 g/10' and also characterized by having broad molecular weight distribution (MWD) carried out in the presence of a catalyst system comprising (a) a solid catalyst component containing Mg, Ti, halogen and an electron donor compound selected from succinates; (b) an alkylaluminum cocatalyst; and (c) a silicon compound of formula $R^1Si(OR)_3$ in which R^1 is a branched alkyl and R is, independently, a C1-C10 alkyl.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2008/063243

A. CLASSIFICATION OF SUBJECT MATTER
INV. C08F210/06 C08F4/646 C08F4/651

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MURAMARU, SO ET AL MURAMARU, SO ET AL: "Stable manufacture of propylene block copolymers with good softness and impact resistance Stable manufacture of propylene block copolymers with good softness and impact resistance" XP002509328 retrieved from STN Database accession no. 1994:681456 abstract	1-12
Y	& JP 06 145269 A (TOSOH CORP, JAPAN TOSOH CORP, JAPAN) 24 May 1994 (1994-05-24) paragraph [0026] ----- -/--	1-6

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
13 January 2009	20/05/2009

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Parry, Julian

Form PCT/ISA/210 (second sheet) (April 2005)

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 640 624 A (SHOWA DENKO KK [JP]) 1 March 1995 (1995-03-01) cited in the application claim 4; tables 1-3	1-6
Y	EP 0 086 473 A (MONTEDISON SPA [IT]; MITSUI PETROCHEMICAL IND [JP]) 24 August 1983 (1983-08-24) examples 5,6; table 1 claim 4	1-6
A	WO 03/054035 A (BASELL POLIOLEFINE SPA [IT]; COLLINA GIANNI [IT]; FUSCO OFELIA [IT]; C) 3 July 2003 (2003-07-03) page 6, line 20 example 1 claims 14,22	1-6

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2008/063243

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-6

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6

The subject matter of claims 1-6.

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2. claims: 7-11

The subject matter of claims 7-11.

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3. claim: 12

The subject matter of claim 12.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2008/063243

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