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(71) Applicant (*for all designated States except US*): **E. I. DU PONT DE NEMOURS AND COMPANY** [US/US];
1007 Market Street, Wilmington, Delaware 19898 (US).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **LIMA, Avelino, F.**
[US/US]; 49 Lake Drive, North Hills, West Virginia
26104 (US).

(74) Agent: **SHANNON, Paul, J.**; E. I. du Pont de Nemours
and Company, Legal Patent Records Center, 4417 Lan-
caster Pike, Wilmington, Delaware 19805 (US).

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(54) Title: RECYCLED THERMOPLASTIC WITH TOUGHENER

(57) Abstract: Disclosed is a thermoplastic resin composition including a) 50 to 92 weight percent of a recycled thermoplastic, wherein said recycled thermoplastic includes at least 60 weight percent of a recycled polyamide selected from the group consisting of polyamide 88, polyamide 8, and copolymers having repeat units of polyamide 86 and polyamide 6; and 8 to 30 weight percent of polymer toughener, wherein said polymer toughener comprises at least one acid polymer toughener(s) wherein said polymer toughener has an averaged calculated acid number of about 10 to about 90 mg KOH/g before blending into said thermoplastic composition.



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A. CLASSIFICATION OF SUBJECT MATTER*C08L 77/02(2006.01)i, C08L 23/16(2006.01)i, C08L 23/26(2006.01)i, C08J 5/00(2006.01)i, C08J 11/04(2006.01)i*

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: recycled thermoplastic, toughener, polyamide

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004-0063857 A1 (MARC VATHAUER et al.) 01 April 2004 See claims 1, 13; paragraphs [0109], [0110], [0113]; table 2	1-9
A	US 2006-0281871 A1 (STEFFL UDO) 14 December 2006 See claims 2, 3, 7, 11	1-9
A	US 2010-0029819 A1 (PALMER ROBERT J. et al.) 04 February 2010 See claim 2; paragraphs [0097], [0098]	1-9
A	US 2006-0094822 A1 (GAGGAR SATISH KUMAR and VILSAGAR SHRIPATHY) 04 May 2006 See claims 1, 2, 6, 8	1-9



Further documents are listed in the continuation of Box C.



See patent family annex.

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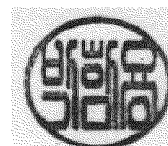
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