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(54) Title: UNDERHOOD COMPONENTS

(57) Abstract: An under hood component comprising a poly(arylene ether)/polyolefin blend; a reinforced polyolefin; a reinforced poly(arylene ether)/polyolefin blend or a combination of two or more of the foregoing.

INTERNATIONAL SEARCH REPORT

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PCT/US 03/29036

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C08L71/12	C08L23/10	C08L23/00	C08L25/00	C08L25/10
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B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C08L

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 057364 A (GEN ELECTRIC) 25 July 2002 (2002-07-25) page 3, paragraph 14 -page 19, paragraph 65; claims 1-23 page 24, paragraph 79 - paragraph 80 ----	1-4, 6-9
X	US 6 350 804 B2 (RODGERS PATRICK A ET AL) 26 February 2002 (2002-02-26) column 1, line 26 - line 30; claims 1,9,22,23,28; examples 1-8; table 1 column 3, line 12 -column 4, line 34 column 5, line 4 - line 56 ----- -/--	1-9

Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search 9 March 2004	Date of mailing of the international search report 19/04/2004
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Feldmann, G
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 939 490 A (HWANG CHORNG-FURE ROBIN ET AL) 17 August 1999 (1999-08-17) column 1, line 31 - line 36; claims 15,16,21-24,30 column 5, line 49 - line 63 column 6, line 55 -column 7, line 63 column 8, line 50 -column 9, line 26 examples 7-17; tables 2,3 -----	1-4,6-9
X	EP 0 747 441 A (GEN ELECTRIC) 11 December 1996 (1996-12-11) claims 1,7-9; tables 2,3 -----	1-4,6-9
E	EP 1 375 586 A (IDEMITSU PETROCHEMICAL CO) 2 January 2004 (2004-01-02) page 3, line 36 - line 41; claims 1,3-8 page 3, line 48 -page 4, line 9 page 4, line 43 -page 6, line 49 page 7, line 45 -page 8, line 3; table 1 -----	1-4,6-9
A	EP 0 997 495 A (TORAY INDUSTRIES) 3 May 2000 (2000-05-03) page 14, line 14 - line 19 page 15, line 31 - line 56 page 5, line 5 -page 6, line 15; claim 1 -----	5

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US 03/29036

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02057364	A	25-07-2002	US 2002156182 A1	24-10-2002
			US 2002143097 A1	03-10-2002
			US 2002137840 A1	26-09-2002
			EP 1360239 A2	12-11-2003
			WO 02057364 A2	25-07-2002
US 6350804	B2	17-01-2002	US 2002006997 A1	17-01-2002
			AU 4014400 A	14-11-2000
			CN 1368993 T	11-09-2002
			EP 1185586 A1	13-03-2002
			JP 2002542329 T	10-12-2002
			WO 0061683 A1	19-10-2000
US 5939490	A	17-08-1999	CA 2195567 A1	08-02-1996
			CN 1140732 A , B	22-01-1997
			EP 0747441 A2	11-12-1996
			JP 9165509 A	24-06-1997
EP 0747441	A	11-12-1996	CA 2195567 A1	08-02-1996
			CN 1140732 A , B	22-01-1997
			EP 0747441 A2	11-12-1996
			JP 9165509 A	24-06-1997
			US 5939490 A	17-08-1999
EP 1375586	A	02-01-2004	JP 2002284945 A	03-10-2002
			EP 1375586 A1	02-01-2004
			WO 02077098 A1	03-10-2002
EP 0997495	A	03-05-2000	EP 0997495 A2	03-05-2000
			JP 2000319467 A	21-11-2000
			US 6375863 B1	23-04-2002