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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYOLEFIN ADHESIVE AND PRODUCTION PROCESS THEREFOR

(57) Abstract: A method for producing polyolefin-based adhesive resins having improved physical and optical properties and the improved adhesive. resins thereby produced, eliminates at least one reheating and melting of polyolefin polymer, comprises polymerizing a monomer composition of at least one olefin, mixing the polymerization product without pelletizing the polyolefin polymer with at least one graft polymer or copolymer in a heated mixing device at a temperature above the melting point of the components, and recovering the resulting polyolefin-based adhesive resin.

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US03/24755

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(7) : C08L 23/00, 51/00  
 US CL : 525/193, 206, 240  
 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)  
 U.S. : 525/193, 206, 240

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 practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- A	US 5,137,975 A (KELUSKY et al.) 11 August 1992(11.08.1992), column 5, line 61-68; column 6, lines 40-45 and column 7, lines 58-66.	1-4, 6-24, 26-43 ----- 5, 25

<input type="checkbox"/> Further documents are listed in the continuation of Box C.	<input type="checkbox"/> 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	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 17 February 2004 (17.02.2004)	Date of mailing of the international search report <b>18 MAR 2004</b>
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Authorized officer Jeffrey C. Mullis Telephone No. 703 306 5665

**INTERNATIONAL SEARCH REPORT**

PCT/US03/24755

**Continuation of Item 4 of the first sheet:**

The title is not short and "adhensive" is not precise. The new title is:

**POLYOLEFIN ADHESIVE AND PRODUCTION PROCESS THEREFOR**