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(71) Applicant: **B & P PROCESS EQUIPMENT AND SYSTEMS, L.L.C.** [US/US]; 1000 Hess Street, Saginaw, MI 48601 (US).

(72) Inventors (for US only): **KASLIWAL, Shashank, Gulabchand**; 5803 Ambassador Drive #1, Saginaw, MI 48603 (US). **JONES, Jerry, William**; 1120 S. Sherman, Bay City, Michigan 48708 (US).

(74) Agent: **JONES, Eric, T.**; REISING, ETHINGTON, BARNES, KISSELLE, P.C., Post Office Box 4390, Troy, MI 48099-4390 (US).

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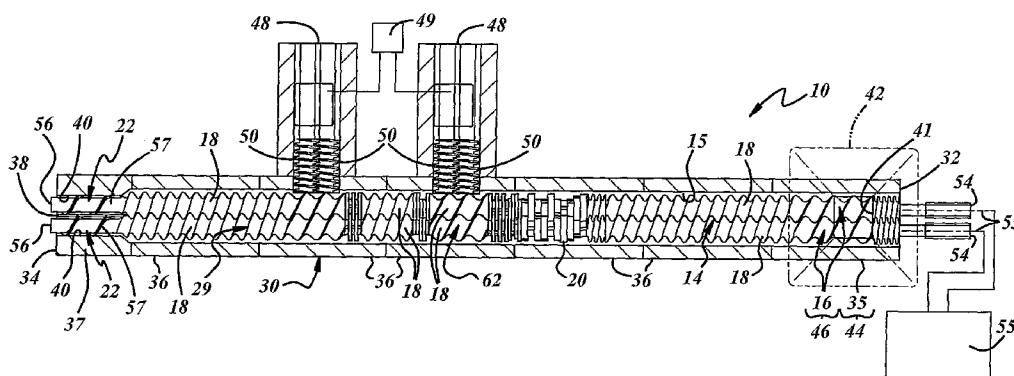
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR FORMING A SYNTHETIC EXTRUDATE



(57) Abstract: A method for forming a synthetic extrudate in a mixing apparatus (10) that includes a pair of screw shafts (16) having intermeshing co-wiping screw sections (18) within a mixing chamber (14) and having conveying portions (57) rotatably cantilevered for self-journalled support within respective conveying chambers (22) downstream from the mixing chamber. Polymeric and organic material is fed into the mixing chamber, the polymeric material is heated to a molten state, mixed with the organic material and degassed while the polymeric material is in a molten state, and the mixture is conveyed downstream through the respective conveying chambers and discharged.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/35855

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B29C 47/78**( 2006.01);**B29C 47/36**( 2006.01);**B29B 7/48**( 2006.01)

USPC: 366/85,97;264/118,122;425/378.1

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. : 366/85,97; 264/118,122; 425/378.1

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	US 5,516,472 (LAVER) 14 May 1996 (14.05.1996), Abstract; Figure 6C; col. 6, lines 28-60; col. 7, lines 18-45; col. 8, lines 40-65; col. 10, lines 27-67	1-15
X	US 4,752,135 (LOOMANS) 21 June 1988 (21.06.1988), Figures 1-3; Abstract; col. 1, lines 31-65; col. 4, lines 37-45; col. 6, lines 55-col. 7, lines 45	16-28
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Y		1-15
A	US 5,439,286 (KOWALCZYK et al.) 8 August 1995 (08.08.1995), Abstract; Figures 1-5	16-28
A	US 3,195,868 (LOOMANS et al.) 20 July 1965 (20.07.1965), Figures 1-11	16-28



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
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"P"	document published prior to the international filing date but later than the priority date claimed		

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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. (571) 273-3201

Authorized officer

Jeff Wollschlager

Telephone No. 571-272-8937

