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- (54) Title: MATERIAL AND MANUFACTURING METHOD THEREOF

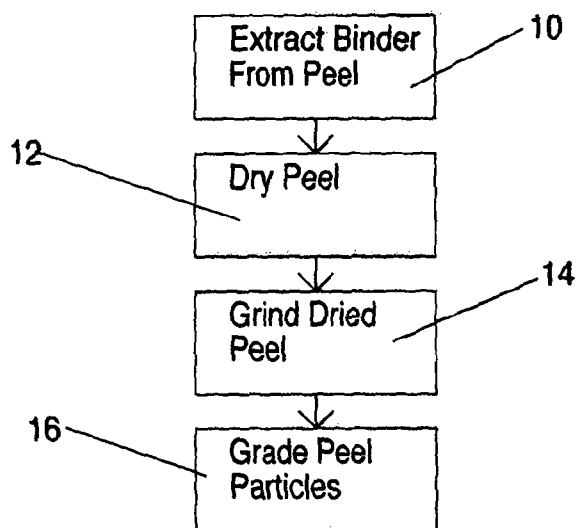


Figure 1

(57) **Abstract:** A method is disclosed for making a solid material from waste citrus peel and related peels includes the steps of extracting pectin as a binder from the peel, drying and grinding the peel, optionally grading the peel for dried peel particle sizes, mixing selected dried peel particles in selected ratios with a mixing binder that includes recovered pectin and optionally can include other natural and artificial binders and resins, and moulding and otherwise forming the mixture to provide a solid material in useable shapes and sizes. The solid material is suitable for low cost low technology third world fabrication, can be cut, milled and machined, and can replace wood, cork, and other materials in low or threatened supply.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)

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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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 556 774 A2 (NISSEI KK [JP]) 25 August 1993 (1993-08-25)	9-16,18
A	page 2, line 1 - page 3, line 43 -----	1-8,17
X	WO 99/29733 A1 (RODENBURG VEEVOEDERS B V [NL]; JONGBOOM REMIGIUS OENE JULES [NL]; STUU) 17 June 1999 (1999-06-17)	9-16,18
A	page 1 - page 5 -----	1-8,17
A	CH 653 690 A5 (BATTELLE MEMORIAL INSTITUTE) 15 January 1986 (1986-01-15) page 3, column 2, line 33 - line 38; claims 1-3 -----	1-18
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☒ Further documents are listed in the continuation of Box C.

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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.
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Information on patent family members

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