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(57) Abstract :

The present invention generally relates to a method of producing an active biodegradable plastic packaging film. The method comprises steps of collecting 15-20% of pear waste components, including the peel and pulp, obtained from the processing of pear (*Pyrus communis*) fruit; preparing 3-4% starch solution by dissolving starch with distilled water; combining the mashed pear pulp and peel waste with the starch solution; adding 1-2% glycerol as plasticizer to the combined solution; casting the resulting mixture onto a mold; and curing the cast mixture in a hot air oven to prepare an active biodegradable plastic film.

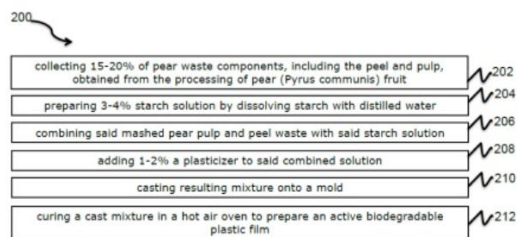


Figure 1

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