FIBTRAY- Cellulosic tray to reduce plastics in food packaging

DESCRIPTION OF THE INVENTION

The present patent relates to a cellulosic complex formed particularly from stacked flat sheets comprising folding flaps and allowing the formation of the package in a single run during the manufacturing stage.

The patent provides a method for obtaining the complex, a method for manufacturing a package, and a method for packaging an item, preferably for containing food products.

APLICATION BUSINESS SECTORS

The following business application sectors have been identified:

1. Producers and/or distributors of food in packaging, such as fruits and vegetables, baby food, ready-to-eat meals, and meat and dairy products, among others.
2. Manufacturers of packaging machinery.
3. Manufacturers of packaging and packaging materials.

TECHNICAL ADVANTAGES AND BUSINESS BENEFITS

Transferring the innovation to each of the above sectors will offer the following advantages:

1. Producers and/or distributors of packaged food (fruits and vegetables, baby food, ready-to-eat meals, and meat and dairy products, among others) will have access to a more sustainable package that will help them meet competitive standards in product quality, and which is also affordable and tailored to their new green business model, according to a circular economy business model.

2. Manufacturers of packaging machinery will benefit from integrating a new eco-design machinery to reduce the use of plastics in food packaging.

3. Manufacturers of packaging and packaging materials will be able to exploit a new business line that will provide a potential value for the market.The exploitation of this technology would provide a potential value for the market, both for local and for national and international companies.

STATUS DEVELOPED OF THE TECHNOLOGY

The technology readiness level is set at TRL 5: Technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

INTELLECTUAL PROPERTY RIGHTS

The invention is protected under the following requested patent which is property of AINIA:

AINIA, Paterna, Valencia, ES. Complejo de láminas planas, método para la obtención de dicho complejo, método para la fabricación de un envase y método para envasar un objeto. ENGUIX NICOLAS, Carlos. ZOMEÑO ALCALÁ, Pedro. ALBORCH PUCHOL, Miguel Rafael, GARCÍA REVERTER, José. BLASCO PIQUER, Miguel. SUBIRATS HUERTA, Sebastián. ES, Int Cl.: B65D 5/32, B65D 5/56, B31B 50/44, B29C 43/20, B29C 51/16, no. ES 2 697 705, request. 201730989.

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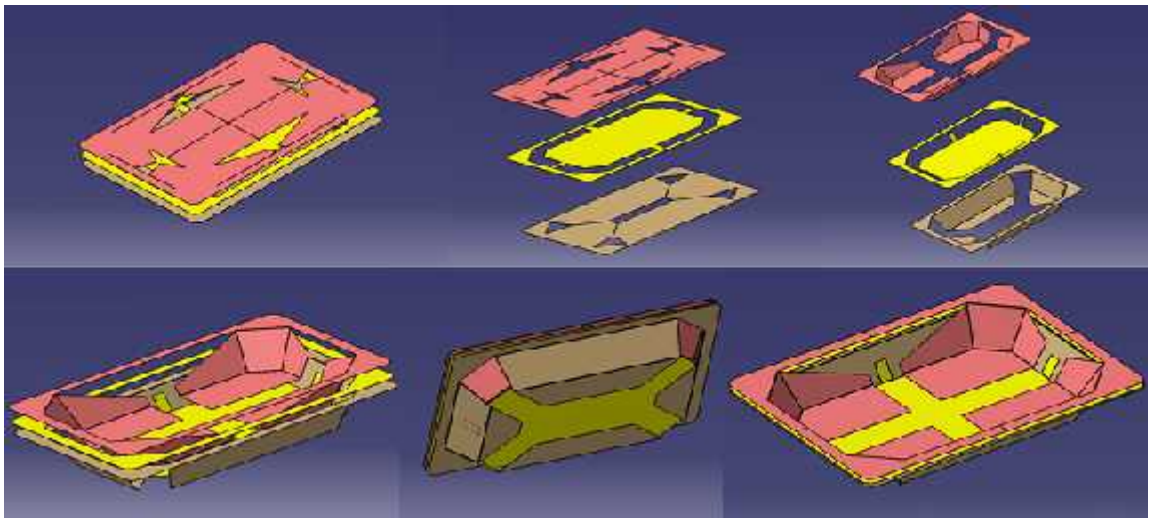
COLLABORATION SOUGHT

Companies are sought that can market the solution, such as producers and/or distributors of packaged food, manufacturers of packaging machinery, and manufacturers of packaging and packaging materials. All of them with high capability in the development of new green business models related to circular economy.

RELATED IMAGES



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