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(54) **Titre : METHODE DE PREPARATION D'OEUFS FRITS CONGELES**
(54) **Title: METHOD FOR PREPARING FROZEN FRIED EGGS**

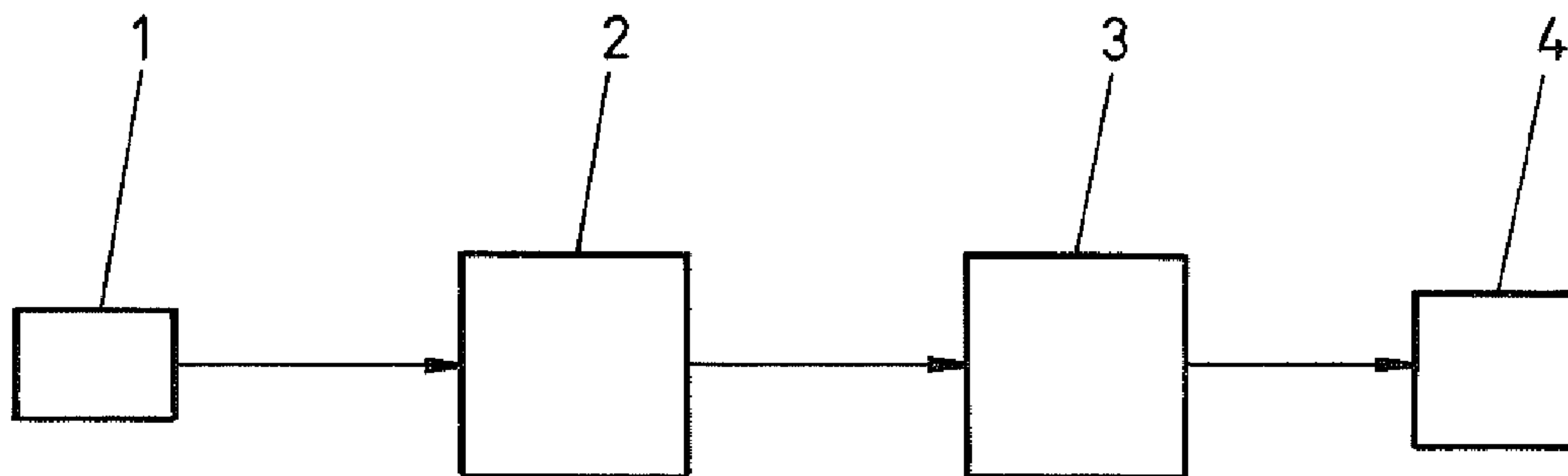


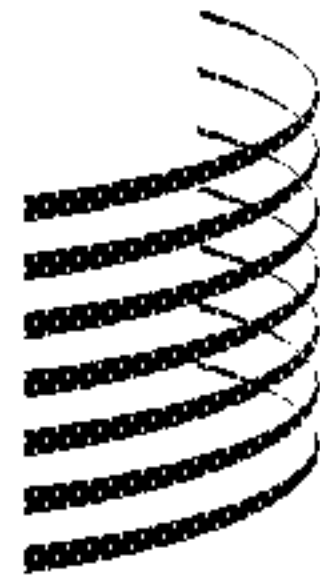
Fig.1

(57) **Abrégé/Abstract:**

Method for preparing frozen fried eggs in which fresh eggs are cracked into corresponding molds impregnated with oil and inserted into a convection oven at a temperature of between 232 and 252°C for between 130 and 150 seconds to be fried, before being inserted into a blast chiller at a temperature of between -23°C and -13°C for between 15 and 25 minutes to be frozen, before finally being individually bagged such that, when defrosted, a fried egg having a texture similar to that of a freshly prepared fried egg is obtained.

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(54) Title: METHOD FOR PREPARING FROZEN FRIED EGGS

(54) Título : PROCEDIMIENTO PARA PREPARAR HUEVOS FRITOS CONGELADOS

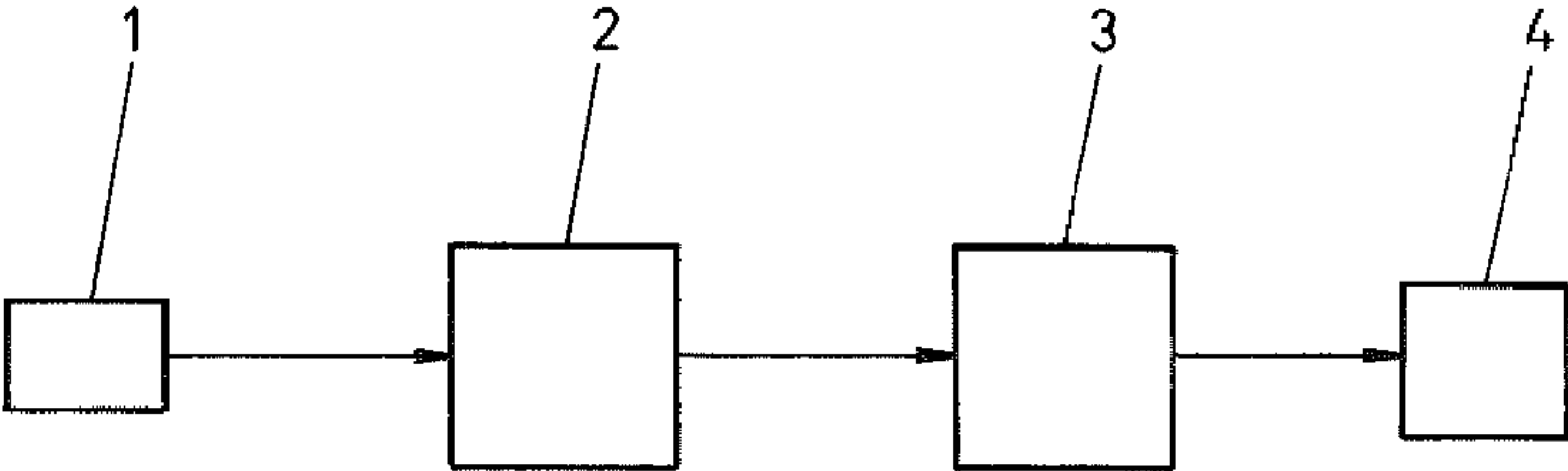
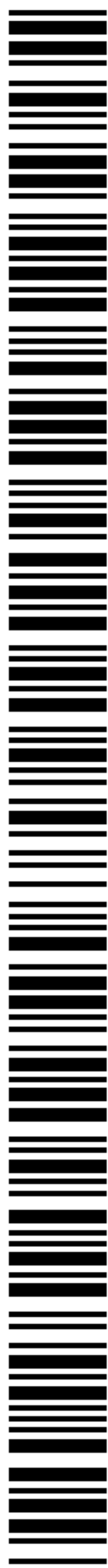


Fig.1

(57) Abstract: Method for preparing frozen fried eggs in which fresh eggs are cracked into corresponding molds impregnated with oil and inserted into a convection oven at a temperature of between 232 and 252°C for between 130 and 150 seconds to be fried, before being inserted into a blast chiller at a temperature of between -23°C and -13°C for between 15 and 25 minutes to be frozen, before finally being individually bagged such that, when defrosted, a fried egg having a texture similar to that of a freshly prepared fried egg is obtained.

(57) Resumen: Procedimiento para preparar huevos fritos congelados, de forma que partiendo de huevos frescos los mismos son cascado en correspondientes moldes impregnados de aceite para su introducción en un horno de convección a una temperatura de 232 a 252°C durante un tiempo de 130 a 150 segundos para ser fritos y su posterior introducción en un abatidor de temperatura a una temperatura de -23 a -13°C durante un tiempo de 15 a 25 minutos para ser congelados, siendo, finalmente, embolsados de forma unitaria, de manera que al ser descongelados se obtiene un huevo frito con una textura semejante a la de un huevo frito recién hecho.



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METHOD FOR PREPARING FROZEN FRIED EGGS

DESCRIPTION

5 OBJECT OF THE INVENTION

The following invention, as expressed in the title of this description, refers to a method for preparing frozen fried eggs such that, after defrosting the frozen fried egg, a fried egg having the same organoleptic characteristics of a freshly prepared fried egg is obtained, that is, it has the same texture, smell, colour and
10 taste.

Therefore, having frozen fried eggs such that, when defrosted, show identical characteristics to freshly prepared fried eggs, has a series of advantages. Firstly, it is beneficial to health since the method for preparing the egg has killed off any bacteria that could potentially transmit any diseases.

15 Secondly, having frozen fried eggs available avoids having to cook them, which evidently involves using kitchen utensils that get dirty and a process that normally generates smokes, which also makes things dirty, while the method of defrosting frozen fried eggs, both at the industrial level as well as for household consumption, is done cleanly and simply, allowing the fried eggs to be eaten
20 without getting things dirty.

FIELD OF APPLICATION

The present description details a method for preparing frozen fried eggs, which is of use in the food industry, and that can be sold both at the industrial
25 level, for example in bars and restaurants, as well as for household consumption.

BACKGROUND OF THE INVENTION

Traditionally, fried eggs are eaten at the same time they are fried, and the process attempts to obtain a fried egg that keeps the yolk liquid (with the texture
30 of a gel) so that the ends of the egg white are set and even slightly charred, in order to get the so called "crispy edges".

On the other hand, due to the difficulty involved in selling frozen fried eggs at an industrial level, simulated egg products have been commercialised instead. The patent document ES 2 180 741 describes a method for producing single
35 portions of simulated egg and/or simulated egg yolks based on: giving shape to a

predetermined amount of egg yolk; freezing the egg yolk at a temperature of -34°C or less during at least 15 minutes in order to produce an egg yolk with a gel-like shape that holds itself together and retains its shape when it is defrosted; combining the egg yolk with a predetermined amount of egg white and cooking
5 the combination of egg yolk and egg white in order to obtain a single portion of simulated egg.

Additionally, said document makes reference to other documents such as US 3,863,018, US 3,941,892 and US 4,409,249, in which the different methods for producing a simulated egg product are described, so that US 3,863,018 uses
10 a solid core or bar of precooked frozen egg yolk suspended on liquid egg white in a long container, US 3,941,892 uses synthetic egg yolk that contains dried egg white, oil, dried milk proteins, gum, colouring, flavouring, emulsions and water, and US 4,409,249 uses an aired dispersion of homogeneous egg white and processed egg yolk, so that the egg white and the egg yolk are prepared
15 separately and combined later.

In addition, said document also makes reference to other documents such as US 5,073,399; US 5,149,561; US 5,151,293 and US 5,227,189 in which a simulated egg is created using separate portions of egg yolk and egg white, with the egg yolk made of a synthetic material comprising an edible liquid, colouring
20 and a heat resistant gel shaper.

DESCRIPTION OF THE INVENTION

The present description details a method for preparing frozen fried eggs so that, starting with fresh eggs, the method comprises:

- 25 – cracking the eggs into corresponding molds impregnated with oil;
- inserting the molds with the eggs into a convection oven at a temperature of between 232 and 252°C for between 130 and 150 seconds in order to fry the eggs;
- inserting the molds with the fried eggs into a blast chiller at a temperature
30 of between -23 and -13°C for between 15 and 25 minutes in order to freeze the fried eggs;
- individually bagging the molds with the frozen fried eggs;

such that, when defrosted, fried eggs having a texture similar to that of freshly prepared fried eggs are obtained, making fried eggs available without having to
35 cook them before they are eaten, a procedure that takes time and makes things

dirty, such as the kitchen utensils used, also due to the smoke the cooking procedure usually generates.

In one of the preferred embodiments, the method for preparing frozen fried eggs is based on:

- 5 – inserting the molds impregnated with oil with the cracked eggs into a convection oven at a temperature of between 238 and 246°C for between 136 and 144 seconds in order to fry the eggs, and then;
- inserting the molds with the fried eggs into a blast chiller at a temperature of between -20 and -16°C for between 18 and 22 minutes in order to
- 10 freeze the eggs; and finally bagging them.

Preferably, the method for preparing frozen fried eggs is based on:

- inserting the molds impregnated with oil with the cracked eggs into a convection oven at a temperature of 242°C for 140 seconds in order to fry the eggs, and then;
- 15 – inserting the molds with the fried eggs into a blast chiller at a temperature of -22°C for 20 minutes in order to freeze the eggs; and finally bagging them.

To complement the description being made below, and to make it easier to better understand the characteristics of the invention, this descriptive report is

20 accompanied by a set of drawings in which, for illustrative and not restrictive purposes, the following has been represented.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows a view of a schematic diagram of the method for preparing

25 frozen fried eggs.

DESCRIPTION OF A PREFERRED EMBODIMENT

In light of the figures mentioned above and in accordance with the numbering adopted, it can be observed how, in order to proceed with the method

30 that is the object of the invention, fresh eggs are cracked into corresponding molds 1 impregnated with oil and inserted into a convection oven 2 at a temperature of between 232 and 252°C for a period of 130 to 150 seconds in order to be fried, before being inserted into a blast chiller 3 at a temperature of between -23°C and -13°C for a period of 15 to 25 minutes in order to be frozen,

35 before finally being individually bagged 4.

In one of the preferred embodiments of the method for preparing frozen fried eggs that is the object of the invention, fresh eggs are cracked into corresponding molds 1 impregnated with oil and inserted into a convection oven 2 at a temperature of between 238 and 246°C for a period of 136 to 144 seconds
5 in order to be fried, before being inserted into a blast chiller 3 at a temperature of between -20°C and -16°C for a period of 18 to 22 minutes in order to be frozen, before finally being individually bagged 4.

In the preferred method for preparing frozen fried eggs that is the object of the invention, fresh eggs are cracked into corresponding molds 1 impregnated
10 with oil and inserted into a convection oven 2 at a temperature of 242°C for a period of 140 seconds in order to be fried, before being inserted into a blast chiller 3 at a temperature of -22°C for 20 minutes in order to be frozen, before finally being individually bagged 4.

This method makes it possible to have fried eggs available without having
15 to cook them, a procedure that obviously requires using a series of kitchen utensils that get dirty, and even worse, frying the eggs usually generates smoke that generate smells and get the kitchen dirty.

Additionally, it provides the advantage that, since not everyone has the same skill making fried eggs, everyone who does not have said skill will be able
20 to consume fried eggs without any problems.

CLAIMS

1. A method for preparing frozen fried eggs, starting with fresh eggs, characterised in that it comprises:
 - 5 – cracking the eggs into corresponding molds impregnated with oil;
 - inserting the molds with the eggs into a convection oven at a temperature of between 232 and 252°C for a period of 130 to 150 seconds in order to fry the eggs;
 - inserting the molds with the fried eggs into a blast chiller at a temperature of between -23 and -13°C for a period of 15 to 25 minutes in order to freeze the fried eggs, and;
 - 10 – individually bagging the molds with the frozen fried eggs,such that, when defrosted, the fried eggs have a texture similar to that of freshly prepared fried eggs.
- 15 2. A method for preparing frozen fried eggs, according to claim 1, characterised in that:
 - inserting the molds impregnated with oil with the eggs into the convection oven at a temperature of between 238 and 246°C for a period of 136 to 144 seconds, in order to fry the eggs, and then;
 - 20 – inserting the molds with the fried eggs into the blast chiller at a temperature of between -20 and -16°C for a period of 18 to 22 minutes, in order to freeze the fried eggs; and finally
 - bagging the molds with the frozen fried eggs.
- 25 3. A method for preparing frozen fried eggs, according to claim 1, characterised in that:
 - inserting the molds impregnated with oil with the eggs into the convection oven at the temperature of 242°C for the period of 140 seconds, in order to fry the eggs, and then;
 - 30 – inserting the molds with the fried eggs into the blast chiller at the temperature of -22°C for 20 minutes in order to freeze the fried eggs; and finally
 - bagging the molds with the frozen fried eggs.

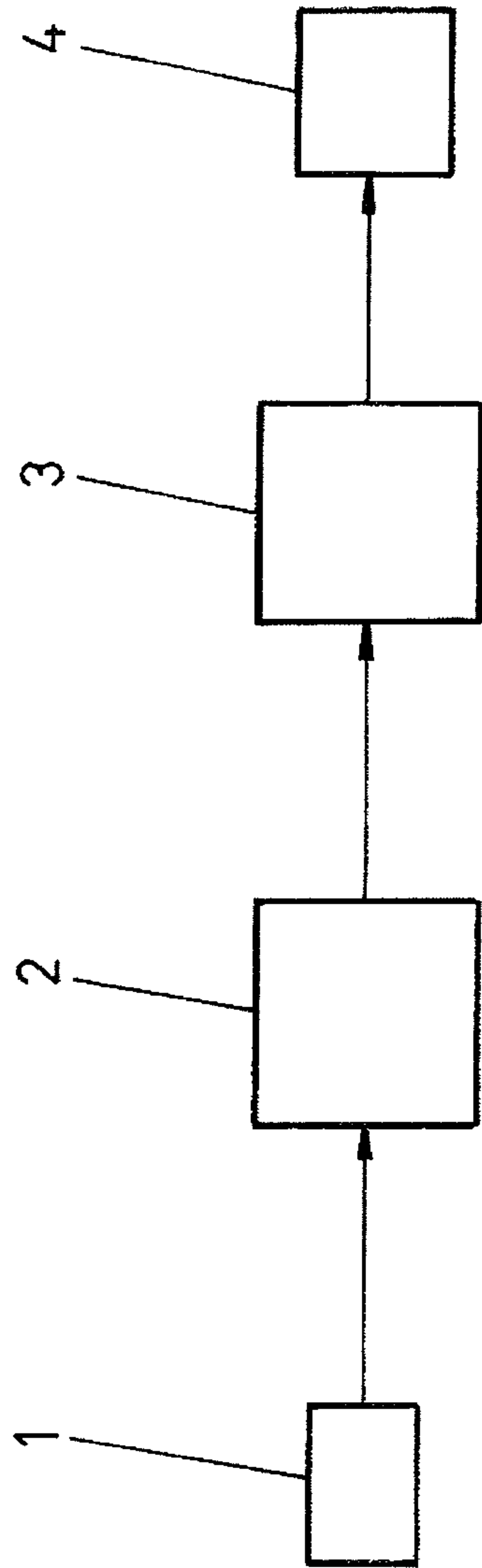


Fig.1

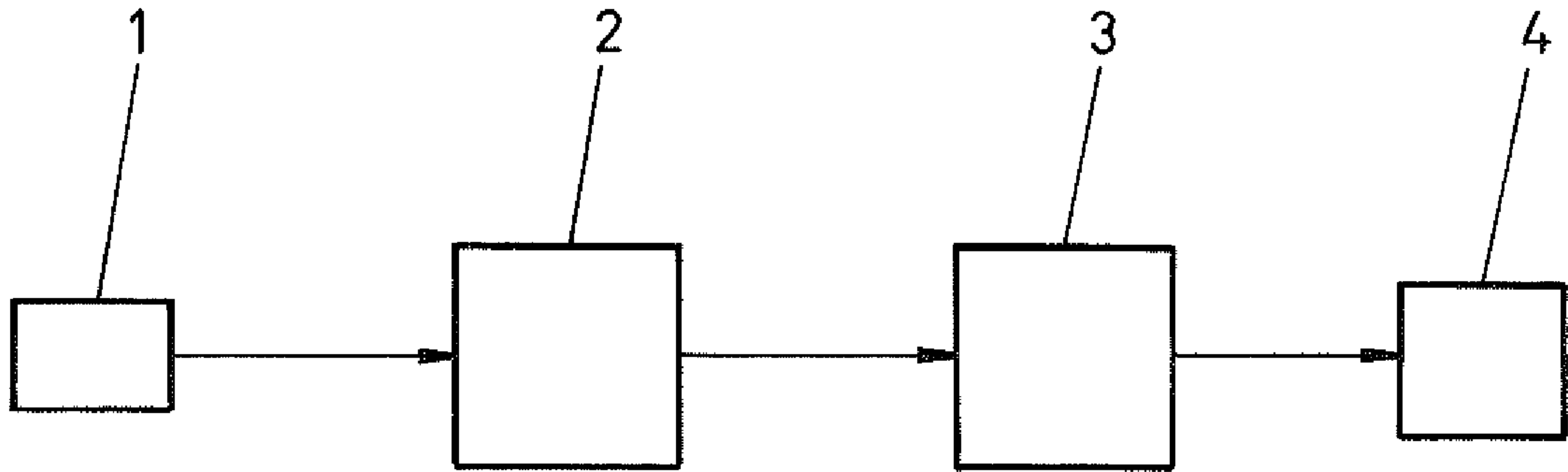


Fig.1