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- (71) Applicant: ALFA LAVAL CORPORATE AB [SE/SE];
P. O. Box 73, SE-221 00 LUND (SE).
- (72) Inventors: REVVA, Andriy; Bernstorffsvej 194,
DK-2920 CHARLOTTENLUND (DK). LINNET, Lars;
Nygårdsvej 30B, DK-2100 COPENHAGEN (DK).
- (74) Agent: ALFA LAVAL ATTORNEYS, ALFA LAVAL
CORPORATE AB; Group Patent, P.O. Box 73, SE-221 00
LUND (SE).
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(54) Title: METHOD AND SYSTEM FOR PROVIDING AN INSECT-BASED, LOW-FAT PROTEIN MEAL FROM AN INSECT-BASED RAW MATERIAL

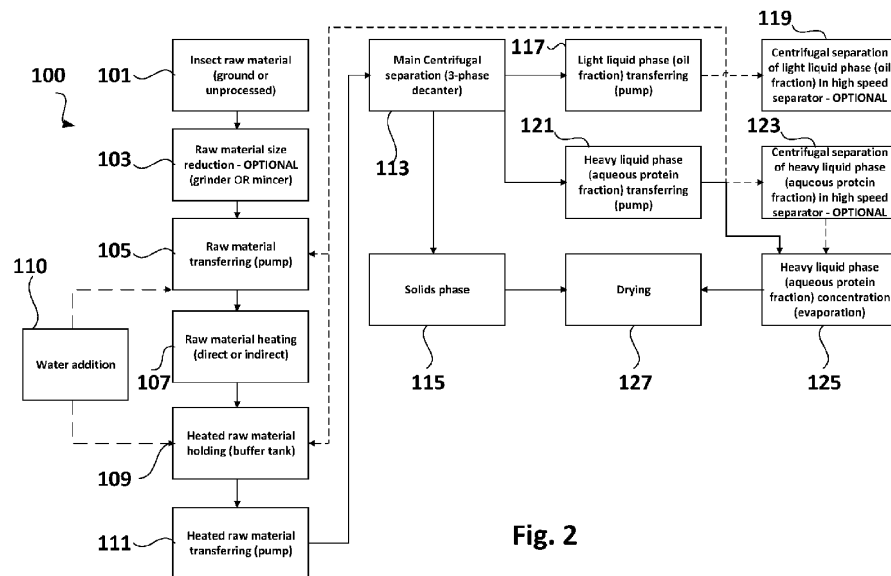


Fig. 2

(57) Abstract: The present invention relates to a method and system for producing a low-fat protein meal from an insect-based raw material. The method and system comprise providing an insect-based raw material, which is optionally reduced in size. In the next step, the insect-based raw material is pumped to a heating step, in which the insect-based raw material is heated to a temperature from 75 to 100°C. Optionally, the heated insect-based raw material may be submitted to a buffer/mixing tank. After heating, the heated insect-based raw material is subjected to one or more separation steps. Then, the solid phase and at least part of the aqueous protein-containing fraction, which is optionally concentrated, is subjected to a drying step to provide the insect-based, low-fat protein meal. In the method, water or separated liquid heavy phase may be added to the feed upstream of the separation steps. Alternatively, a pre-separation step is included before a main separation step to provide a protein meal with reduced fat content. No enzymes or

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chemicals need to be added during the method.