

Abstract

METHOD FOR PRODUCING MULTIPLE OIL/FAT COMPOSITIONS BY
COMPLEX TRANSESTERIFICATION REACTION SYSTEM

The present invention addresses the problem of
5 providing a method for effectively producing a target
oil/fat that is rich in triglyceride, by using liberated
by-products such as fatty acid ester originating from
starting material oil/fat that is separated from the target
oil/ fat efficiently after the reaction when producing the
10 target oil/fat that is rich in triglyceride by a
transesterification reaction using, for example, oil/fat
and fatty acid ester as starting materials. In a complex
reaction system that includes a plurality of reaction
systems for producing a target oil/fat composition that is
15 rich in triglycerides by a 1,3-position specific
transesterification reaction between the starting material
oil/fat and starting material fatty acid or lower alcohol
ester thereof, liberated fractions of the fatty acid or
lower alcohol ester thereof originating from 1,3 positions
20 of the starting material oil/fat are separated from a
reaction product after the 1,3-position specific ester
exchange reaction of each reaction system, and the
fractions are used as a part of or the whole of the
starting material fatty acid or lower alcohol ester thereof
25 in another reaction system.

FIG. 1