

IMPROVED CRYSTALLISATION AND FRACTIONATION PROCESS

Abstract of the Invention

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The present invention relates to an improved process for obtaining palm olein and palm stearine from palm oil. More particularly, the present invention relates to a modified oil crystallisation and fractionation process for processing palm oil in a dry
10 system. The process comprises the steps of introducing a feed oil into an agitation equipped crystallisation apparatus having cooling coils which circulate temperate water, and subjecting the feed oil to one or more crystallisation and fractionation stages in which the temperate water in the cooling coils cools the feed oil to obtain a solid crystal fraction and a liquid oil fraction. Once crystallisation occurs, the crystal
15 fraction is separated, typically filtered, from the liquid oil fraction to obtain a fractionated oil.

Figure 1