

ABSTRACT
METHOD OF PROCESSING A BIO-BASED MATERIAL
AND APPARATUS FOR PROCESSING THE SAME

5 The present invention relates to a method for processing a renewable bio-based material comprising the step of reacting the bio-based material with hydrogen in the presence of a catalyst on a support in a reactor to form a treated oil; and wherein the reactor comprises a cooling function for controlling the temperature of the reactor; wherein the cooling function is at least one of an internal cooling function and an external cooling function.

10 (Figure 1)