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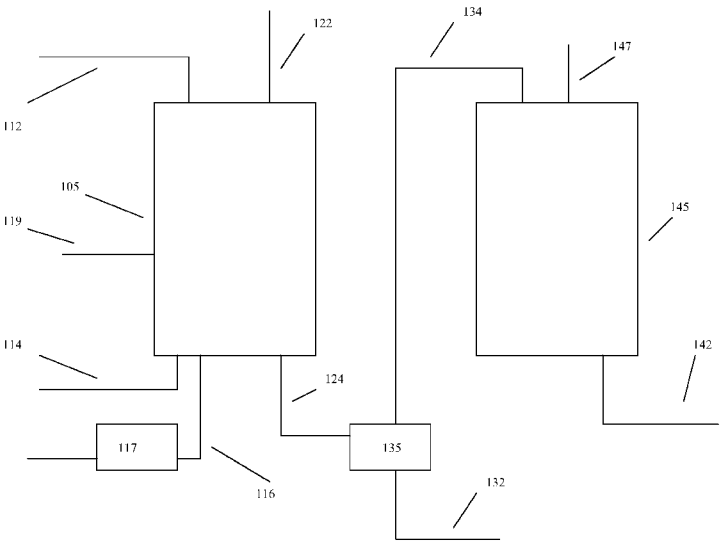
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(54) **Title**: HYDROPROCESSING OF BIOCOMPONENT FEEDS WITH LOW PRESSURE HYDROGEN-CONTAINING STREAMS

FIGURE 1



(57) **Abstract**: The invention relates to a method for forming an at least partially renewable diesel product, comprising: hydrodeoxygenating a feedstock comprising about 0.1 wt% to about 50 wt% of a fresh biocomponent portion with a relatively pure hydrogen treat gas in the presence of a hydrodeoxygenation catalyst under relatively low total pressure to form a hydrodeoxygenated product; and separating the hydrodeoxygenated product into a vapor effluent and a liquid effluent, at least a first portion of the latter being recycled to the hydrodeoxygenation step, and at least a second portion of the latter being a diesel product. Advantageously, the hydrodeoxygenation catalyst can have a relatively low catalytic activity (about 50% or less of fresh HDS/HDN activity).

WO 2012/009516 A2