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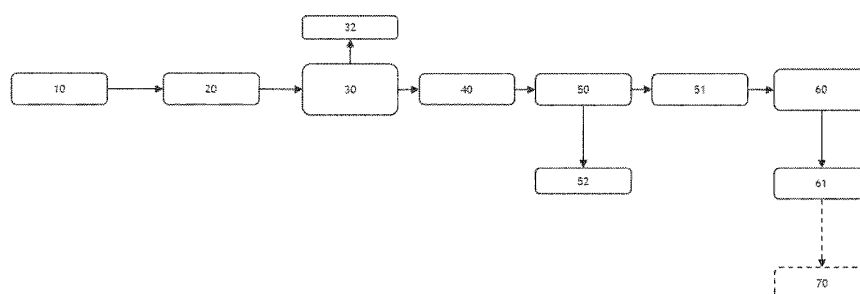
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(71) Applicant: NESTE OYJ [FI/FI]; Keilaranta 21, 02150 Espoo (FI).

(72) Inventors: TOUKONHITTY, Blanka; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). PAASIKALLIO, Ville; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). PASANEN, Jukka-Pekka; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). TOURONEN, Jouni; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). HOVI, Meri; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). PASANEN, Antti; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). JAATINEN, Salla; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). TOPPINEN, Sami; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). AALTO,

(54) Title: PURIFICATION OF RECYCLED AND RENEWABLE ORGANIC MATERIAL

Figure 1



(57) **Abstract:** Provided herein is a method of purifying a recycled or renewable organic material (10), wherein the recycled or renewable organic material (10) comprises more than 1 ppm silicon as silicon compounds and/or more than 10 ppm phosphorous as phosphorous compounds, comprising the steps of (a) providing a feed of the lipid material; (b) optionally pre heat treating (20) the recycled or renewable organic material (10) at 180 to 325°C and optionally adding acid before or after the heat treatment process and optionally filtering the pre heat treated recycled or renewable organic material; (c) heat treating (40) the recycled or renewable organic material (10) in the presence of an adsorbent at 180 to 325°C and filtering (50) the heat treated recycled or renewable organic material, and optionally adding acid before or after the heat treatment process; (d) optionally blending the heat treated recycled or renewable organic material with a hydrocarbon or lipid-based stream; (e) optionally evaporating (30) the volatile silicon compounds from the heat treated

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Pekka; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). **JANSSON, Kari**; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). **LINDBLAD, Marina**; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). **KÄLDSTRÖM, Mats**; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI). **LAMMINPÄÄ, Kaisa**; c/o Neste Oyj/IPR, P.O. Box 310, 06101 Porvoo (FI).

(74) **Agent: KOLSTER OY AB**; (Salmisaarenaukio 1), P.O.Box 204, 00181 Helsinki (FI).

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recycled or renewable organic material; and (f) hydrotreating (60) the lipid material in a presence of a hydrotreating catalyst; to obtain purified hydrotreated recycled or renewable organic material (61) comprising less than 20%, preferably less than 10%, more preferably less than 5%, of the original silicon content of the recycled or renewable organic material provided in step (a) and/or less than 30% of the original phosphorous content of the recycled or renewable organic material provided in step (a).