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(54) Title: A PROCESS FOR HYDROTREATMENT OF AROMATIC NITROGEN COMPOUNDS

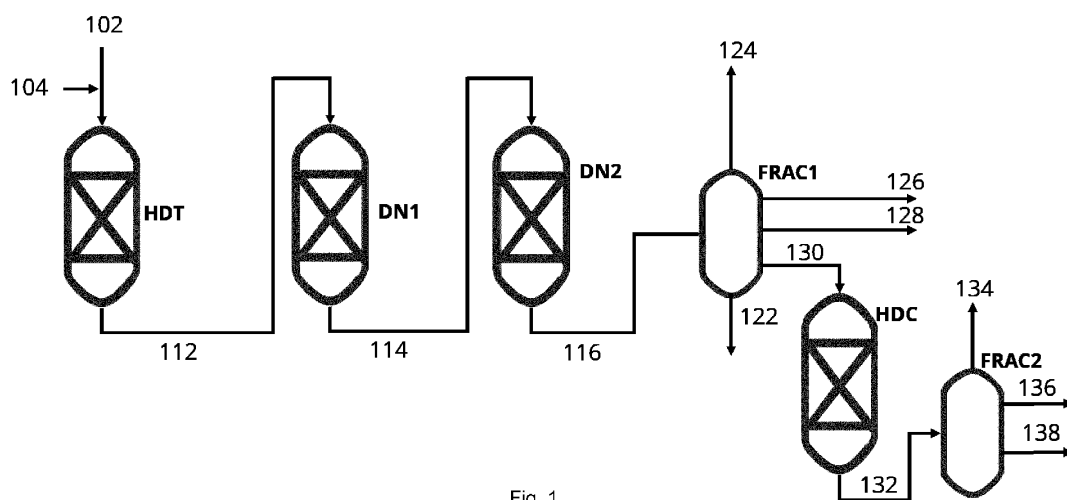


Fig. 1

(57) Abstract: The invention relates to a process for conversion of a feedstock originating from thermal decomposition of solids, containing from at least 0.5 wt% nitrogen, at least 2 wt% nitrogen or at least 5 wt% nitrogen and less than 10 wt% or less than 15 wt% nitrogen, comprising the steps of a. directing the feedstock to contact a material catalytically active in hydrotreatment under active hydrotreatment conditions in the presence of dihydrogen, to provide a hydrotreated intermediate, b. adjusting one or more conditions of the hydrotreated intermediate stream to active hydrodearomatization conditions where the equilibrium between aromatic nitrogen compounds and non-aromatic nitrogen-free compounds is shifted towards non-aromatic nitrogen-free compounds, c. directing at least an amount of the hydrotreated intermediate to contact a material catalytically active in hydrodearomatization under said active hydrodearomatization conditions, in the presence of dihydrogen, to provide a further converted intermediate. This has the associated benefit of providing a pyrolysis plant with the ability to remove aromatic nitrogen efficiently from the pyrolysis oil.

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