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(54) Title: LUBRICANT BASE OIL HYDROPROCESSING AND BLENDING

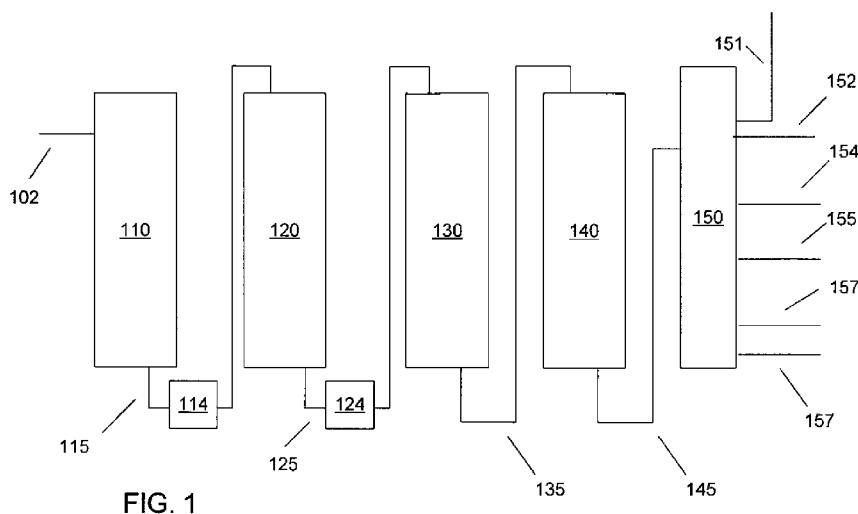


FIG. 1

(57) Abstract: Methods are provided for producing a plurality of lubricant base oil products with an increased overall yield. Prior to the final hydrocracking stage for viscosity index uplift, a feed for making a lubricant base oil is fractionated in order to form at least a feed for making a lighter lubricant base oil and a feed for making a heavier lubricant base oil. The fractionation cut points are selected to so that the feed fraction for forming a light lubricant base oil has a higher Noack volatility and a lower viscosity than the desired targets for the lighter lubricant base oil. The feed fractions are then hydroprocessed separately to achieve desired properties.