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(54) Title: PROCESS FOR PREPARING A POUR POINT DEPRESSING LUBRICANT BASE OIL COMPONENT FROM WASTE PLASTIC AND USE THEREOF

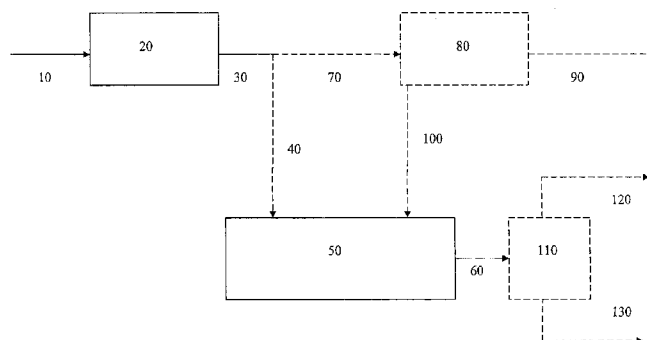


FIG. 1

(57) Abstract: A process for making a pour point depressing lubricant base oil blending component comprises: pyrolyzing a plastics feed comprising polyethylene in a pyrolysis zone at a temperature in the range of about 450°C to about 700°C and a residence time in the range of about 3 minutes to about 1 hour to provide a pyrolysis effluent; isomerization dewaxing at least a portion of the pyrolysis effluent with an isomerization dewaxing catalyst in a catalytic isomerization dewaxing zone to provide a isomerization dewaxing effluent comprising a pour point depressing lubricant base oil blending component; and recovering the pour point depressing lubricant base oil blending component boiling in the range of about 900°F to about 1100°F and having a pour point in the range of about -15°C to about 0°C. The pour point depressing lubricant base oil blending component can be used to improve lubricating properties (e.g. pour point) of a lubricant base oil.

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