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[54] **THERMOLYTIC DISTILLATION OF CARBONACEOUS MATERIAL**

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[57] ABSTRACT

In apparatus for thermolytic distillation of lump carbonaceous material, an enclosure contains a degassing bath, a reactor bath and a quenching bath. A closed loop continuous chain conveyor drives a plurality of baskets carrying carbonaceous material through the three baths of the enclosure. The carbonaceous material is degassed in hot distillate, then immersed in molten lead in the absence of oxygen to produce char and vapor by thermolytic distillation. The char is quenched with water in the absence of oxygen. At least a portion of the vapor is condensed to produce combustible distillate.

9 Claims, 6 Drawing Sheets

