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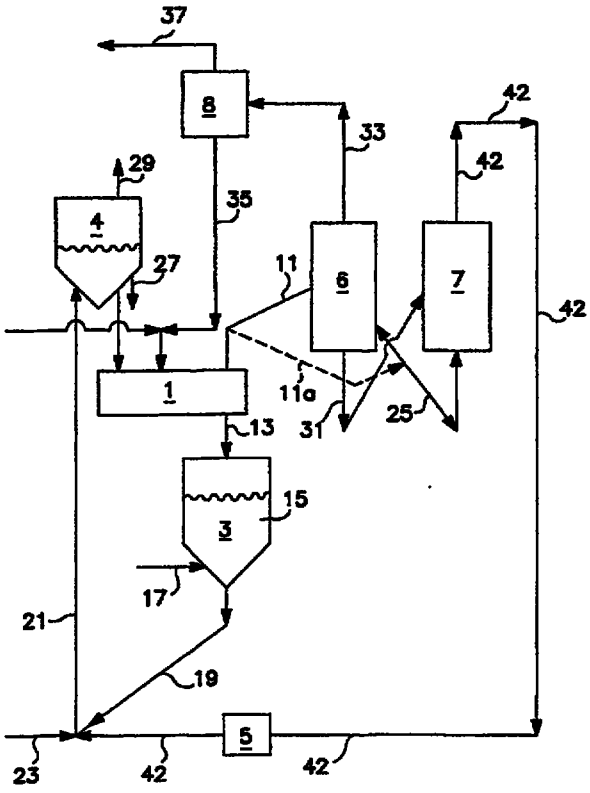
(54) Title: TWO-STAGE PROCESS FOR CONVERTING RESIDUA TO GASOLINE BLENDSTOCKS AND LIGHT OLEFINS



(57) Abstract: A two-stage process for converting petroleum residua and other low value oils to high valued gasoline blendstocks and light olefins. The first stage is comprised of a thermal process unit containing a reaction zone comprised of a horizontal moving bed of fluidized hot particles operated at temperatures from about 500 to 600°C and having a short vapor residence time, and the second stage is comprised of a catalytic conversion zone operated at a temperature of about 525°C to about 650°C, and also having a short vapor residence time, preferably shorter than that of the first stage reaction zone.

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