



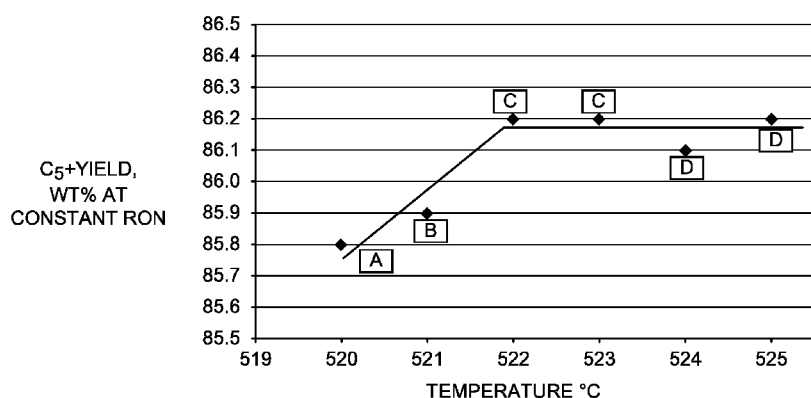
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(54) **Title:** REFORMING CATALYST AND PROCESS**FIG. 1**

(57) **Abstract:** One exemplary embodiment can be a catalyst for catalytic reforming of naphtha. The catalyst can have a noble metal including one or more of platinum, palladium, rhodium, ruthenium, osmium, and iridium, a lanthanide-series metal including one or more elements of atomic numbers 57-71 of the periodic table, and a support. Generally, an average bulk density of the catalyst is 0.300 - 0.620 gram per cubic centimeter, and an atomic ratio of the lanthanide-series metal: noble metal is less than 1.3: 1. Moreover, the lanthanide-series metal can be distributed at a concentration of the lanthanide-series metal in a 100 micron surface layer of the catalyst less than two times a concentration of the lanthanide-series metal at a central core of the catalyst.