

**IMPROVED BATHTUB-TYPE SPENT CATALYST DISTRIBUTOR
FOR EFFECTIVE COUNTER-CURRENT REGENERATION IN
FLUID CATALYTIC CRACKING UNITS**

ABSTRACT

An improved spent catalyst regenerator which contains sub-troughs branching off from the main trough, distribution troughs which extend outward from the sides of the main trough and the sub-troughs, and downflow tubes extending downward from the bottom of the main trough and sub-troughs.

Figure 2A