

FLUIDIZED CATALYTIC CRACKING FEED NOZZLE**ABSTRACT OF THE DISCLOSURE**

A nozzle for the atomized spray of liquid hydrocarbon feed in a fluidized catalytic cracking apparatus having two or more slots with at least one lateral slot wall formed at an angle of from about 30 to about 60 degrees from the axis of the
5 discharge. Also a method of spraying atomized hydrocarbon feed/steam into a fluidized catalytic cracking reactor using the nozzle described.

Figure 3A