

DOUBLE-TRAPEZOID STRUCTURAL MEMBER, FLUIDIZED APPARATUS AND NITRO COMPOUND HYDROGENATION REACTION PROCESS

Abstract

5 The present invention relates to a fluidized apparatus, a double-trapezoid
structural member and a fluidized apparatus containing the
double-trapezoid structural member. The present invention further relates
to use of these fluidized apparatuses in the nitro compound hydrogenation
reaction process. The fluidized apparatus comprises a shell, a gas
10 distributor, and an inner chamber defined by an inner wall of said shell
and an upper surface of said gas distributor, in the middle region of said
inner chamber is disposed a perforated plate, the perforated plate
comprise an outer edge region and a center region, assuming the opening
rate of the outer edge region is A1 (the unit is %), assuming the opening
15 rate of the center region is A2 (the unit is %), then $A1/A2=0-0.95$. The
fluidized apparatus can achieve the technical effects such as effective
reduction of catalyst loss.

[Figure 1]