

NITRO COMPOUND HYDROGENATION REACTION PROCESS AND HYDROGENATION REACTION APPARATUS

Abstract

- 5 The present invention relates to a nitro compound hydrogenation reaction process and hydrogenation
reaction apparatus, which can achieve the objects of the continuous reaction of the nitro compound
and the long-period run of regeneration and activation. The nitro compound hydrogenation reaction
process comprises a hydrogenation step, a regeneration step, an optional activation step and a
recycling step. There exists at least one step of degassing the spent catalyst between the
10 hydrogenation step and the regeneration step. According to circumstances, there exists at least one
step of degassing the regenerated catalyst between the regeneration step and the activation step.

[Figure 1]