

ABSTRACT

A process for producing a carboxylic acid and ammonia independently efficiently while having a less amount
5 of the generated carbon dioxide is provided. The process
comprises the steps of: (a) separating carbon monoxide and
hydrogen independently from a synthetic gas (A); (b)
producing hydrogen by subjecting a synthetic gas (B) to
a shift reaction; (c) producing a carboxylic acid from an
10 alcohol and the carbon monoxide separated from the synthetic
gas (A) in the carbon monoxide/hydrogen separation step
(a); and (d) producing ammonia from nitrogen, the hydrogen
separated from the synthetic gas (A), and the hydrogen
obtained in the shift reaction step (b).