PROCESS FOR PRODUCING CYCLOHEXANONE COMPOUND

ABSTRACT

The invention has an object of providing an economical and highly efficient process for producing a cyclohexanone compound such as cyclohexanone. An aspect of the invention resides in a process for producing a cyclohexanone compound by performing hydrogenation reaction of a phenol compound in a gas phase in the presence of a palladium catalyst supported on a carrier to produce the corresponding cyclohexanone compound, wherein the hydrogenation reaction is carried out in the presence of at least one nitrogen compound selected from ammonia, amine compounds and heteroaromatic compounds.

[Fig.1]