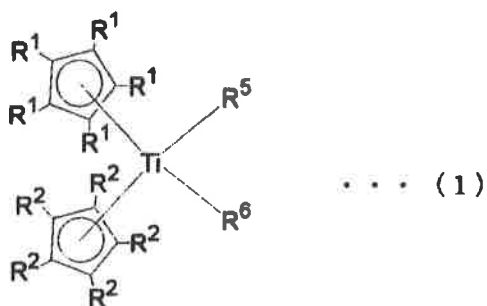


ABSTRACT

METHOD FOR PRODUCING CATALYST COMPOSITION FOR
HYDROGENATION AND CATALYST COMPOSITION FOR HYDROGENATION

A method for producing a catalyst composition for
hydrogenation, wherein:

(A): a titanocene compound represented by following
general formula (1):



wherein R^5 and R^6 represent a group selected from the
group consisting of hydrogen, a hydrocarbon group having
1 to 12 carbon atoms, an aryloxy group, an alkoxy group,
a halogen group and a carbonyl group, and may be the same
or different, and R^1 and R^2 represent a group selected
from the group consisting of hydrogen and a hydrocarbon
group having 1 to 12 carbon atoms, and may be the same or
different,

provided that R^1 and R^2 represent are not all
hydrogens or all hydrocarbon groups having 1 to 12 carbon
atoms;

(B): a compound containing at least one element
selected from the group consisting of elements Li, Na, K,
Mg, Zn, Al, and Ca; and

(C): an unsaturated compound
are used, and

the method has:

a force application step of applying a shearing force at a shearing rate of 1000 (1/s) or more to at least component (A); and

a step of mixing components (A), (B), and (C).