

PROCESS FOR REDUCING UNSATURATED HYDROCARBONS IN AROMATIC
FRACTION THROUGH SELECTIVE HYDROGENATION

ABSTRACT OF THE DISCLOSURE

5 Disclosed are a process and system that are capable of
performing selective hydrogenation on aromatic fractions by
configuring a catalyst bed through staged loading of a
plurality of hydrogenation catalysts with different catalytic
properties, or configuring a catalyst system in which a
10 plurality of hydrogenation catalysts are arranged using a
plurality of reactors in such a way as to be equivalent with
the staged loading, and as a result, are capable of
suppressing aromatic loss while improving the selective
removal of unsaturated hydrocarbons in the aromatic fraction
15 and durability compared to the case of using a single
catalyst.

Figure 3