

CONVERSION CATALYST FOR ETHYLBENZENE CONTAINING XYLENES AND
PROCESS FOR CONVERTING ETHYLBENZENE CONTAINING XYLENES BY USING
CATALYST

ABSTRACT

A catalyst in which X-ray diffraction intensity ratio of the crystal
lattice plane spacing d-value of 0.1196 ± 0.002 nm to the crystal lattice plane
spacing d-value of 0.386 ± 0.008 nm is in a range from 100 : 7 to 100 : 35 and a
5 process for making the catalyst to contact with ethylbenzene containing
xylenes in the presence of hydrogen.

(FIG. 1)