

METHOD FOR PRODUCING p-XYLENE AND/OR p-TOLUALDEHYDE

ABSTRACT

Disclosed is a method for producing p-xylene and/or p-tolualdehyde with high yield through a short process using biomass resource-derived substances as raw materials. The method for producing p-xylene and/or p-tolualdehyde of the present invention comprises: a cyclization step of producing 4-methyl-3-cyclohexenecarboxaldehyde from isoprene and acrolein; and an aromatization step of producing p-xylene and/or p-tolualdehyde from 4-methyl-3-cyclohexenecarboxaldehyde by gas-phase flow reaction using a catalyst(s).

10 (No suitable figure)