

ABSTRACT

SEPARATION MEMBRANE AND METHOD OF PRODUCING SAME

Provided is a separation membrane that when used in membrane separation of a mixture of a linear hydrocarbon and a branched hydrocarbon and/or cyclic hydrocarbon of equivalent carbon number to the linear hydrocarbon, can efficiently separate the linear hydrocarbon and the branched hydrocarbon and/or cyclic hydrocarbon. The separation membrane includes a porous support and a porous separation layer disposed on the porous support and containing an MFI-type zeolite. In an X-ray diffraction pattern obtained through X-ray diffraction measurement of the porous separation layer, the intensities of diffraction peaks attributed to specific MFI-type zeolite crystal planes satisfy specific relationships.

(No drawing to be published)