

## ABSTRACT

The object is to selectively separate a linear compound from a treatment subject containing linear and alicyclic compounds as double bond-  
5 containing hydrocarbon compounds in which every hydrogen is replaced with fluorine or chlorine. A method of separating a double bond-containing linear hydrocarbon in which every hydrogen is replaced with fluorine or chlorine includes bringing a treatment subject containing a double bond-containing linear hydrocarbon in which every hydrogen is replaced with fluorine or  
10 chlorine and a double bond-containing alicyclic hydrocarbon in which every hydrogen is replaced with fluorine or chlorine into contact with at least one amine compound selected from the group consisting of a heterocyclic aromatic amine compound and a tertiary amine represented by a formula:  $\text{NR}^1\text{R}^2\text{R}^3$  ( $\text{R}^1$ ,  $\text{R}^2$ , and  $\text{R}^3$  are each independently an alkyl group, and two thereof may in  
15 combination form an alkylene group that is optionally interrupted by oxygen or sulfur).