

ABSTRACT

There are provided an interlayer ion replacing method and an interlayer ion replacing apparatus which can efficiently replace the interlayer negative ions of hydrotalcite-like substances. The amount of positive ions which chemically-react with at least one of the interlayer negative ions or substituent negative ions is adjusted to facilitate desorption of the interlayer negative ions adsorbed by the hydrotalcite-like substances or to make the substituent negative ions easily adsorbed by the hydrotalcite-like substances, and the interlayer negative ions are replaced with the substituent negative ions.

FIGURE 3