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(54) **CATIONIC LIPID**

(75) Inventors: **Takeshi Kuboyama**, Tokyo (JP);
Tomohiro Era, Tokyo (JP); **Tomoyuki**
Naoi, Tokyo (JP)

(73) Assignee: **Kyowa Hakko Kirin Co., Ltd.**, Tokyo
(JP)

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(58) **Field of Classification Search**

None

See application file for complete search history.

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Primary Examiner — Frederick Krass

Assistant Examiner — Celeste A Roney

(74) *Attorney, Agent, or Firm* — Wenderoth, Lind & Ponack,
L.L.P.

(57) **ABSTRACT**

The present invention provides a cationic lipid, which allow
nucleic acids to be easily introduced into cells, represented by
formula (I)

(wherein: R¹ and R² are, the same or different, alkenyl, etc,
and

X¹ and X² are hydrogen atoms, or are combined together to
form a single bond or alkylene, and

X³ is absent or is alkyl, etc,

Y is absent or anion,

a and b are, the same or different, 0 to 3, and

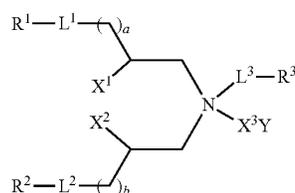
L³ is a single bond, etc,

R³ is alkyl, etc,

L¹ and L² are —O—, —CO—O— or —O—CO—),

a composition comprising the cationic lipid and a nucleic
acid, and

a method for introducing a nucleic acid into a cell by using the
composition comprising the cationic lipid and the nucleic
acid, and the like.



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20 Claims, 7 Drawing Sheets