

Title (en)

CONNECTION STRUCTURE OF ELECTRIC LEAD-IN TERMINAL

Title (de)

VERBINDERSTRUKTUR EINES ELEKTRISCHEN EINFÜHRUNGSANSCHLUSSES

Title (fr)

STRUCTURE DE CONNEXION DE BORNE D'ENTREE ELECTRIQUE

Publication

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Application

EP 99951160 A 19991029

Priority

- JP 9906037 W 19991029
- JP 31063898 A 19981030

Abstract (en)

An electric lead-in terminal connecting structure for connecting an electric lead-in terminal to a conductive element embedded within a ceramic solid. A hole is formed in the ceramic solid so as to traverse the conductive element. The electric lead-in terminal is constituted by a fitting member, made of a high-melting metal having a coefficient of thermal expansion close to that of the ceramic solid, having a form substantially identical to an inner space of the hole, and a chemically durable terminal member connected to the fitting member. The fitting member is fitted into the hole of the ceramic solid, such that the conductive element exposed at an inner wall face of the hole and the fitting member are electrically connected to each other. In this configuration, only the fitting member is in contact with the ceramic solid, whereby the thermal stress between the electric lead-in terminal and the ceramic solid becomes smaller. <IMAGE>

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