

Latest Patent on Ceramic Fuse



Overview

This web page summarizes information in PubChem about patent US-2025037935-A1. This includes chemicals mentioned, as reported by PubChem contributors, as well as other content, such as title, abstract, and International Patent Classification (IPC) codes. The field of the disclosure relates generally to electrical circuit protection fuses, and more specifically to printed fuse fabrications on ceramic substrates for high voltage, direct current (DC) power systems of an electric vehicle (EV). Fuses are widely used as overcurrent and short circuit. Fuse terminal typically form an electrical connection between an electrical power source or power supply and an electrical component or a combination of components arranged in an electrical circuit. The fusible element printed on the substrate includes a series of portions of reduced printed thickness, defining weak spots for fusible operation of the fusible element. PURPOSE: A ceramics fuse manufacturing method is provided to offer durability, accuracy of a fuse, and excellent adhesion between a ceramic plate and copper plating by minimizing the difference between the size and shape of a pattern part through printing and drying the entire surface of the. Check out the latest PATENTSCOPE news and features PATENTSCOPE Live Chat : every Monday from 13:00 to 17:00 (CET) Search terms. After improvements, a spring mechanism is added between the push rod and the.

Article Content

WO/2023/099029 CERAMIC PRINTED FUSE FABRICATION

A printed fuse fabrication is provided. The printed fuse includes a low thermal conductivity ceramic substrate and a fusible element printed on the substrate.

Glass vs Ceramic Fuses, What's the Difference?

Searching through the tremendous amount of fuses available at Digikey can be a bit overwhelming. We have several parameters to select from including glass body or ceramic body

Turtle Wax Hybrid Solutions Ceramic Graphene Paste Wax for Car ...

Introducing the all-new Turtle Wax Ceramic + patent-pending Graphene Paste Wax. The Turtle Wax experts have put 75 years worth of expertise into one wax. The unsurpassed technology competes

U.S. Patent for Power fuse with zinc-aluminum alloy terminals and ...

PRIORITY This application is a continuation under 35 U.S.C. § 365 (c) of International Patent Application No. PCT/IB2021/056664, filed 23 Jul. 2021, which is incorporated herein by

Ceramic Fuses

Ceramic fuses are compact, cylindrical overcurrent protection devices designed for use in high-current AC and DC circuits across various electronic, appliance, and electrical equipment applications.

Manufacturing method of ceramic fuse

PURPOSE: A ceramics fuse manufacturing method is provided to offer durability, accuracy of a fuse, and excellent adhesion between a ceramic plate and copper plating by minimizing the...

U.S. Patent Application for FUSE WITH CAVITY BLOCK Patent

The ceramic adhesive adheres to the interior surface of cavity 125 and serves to close or seal cavity 125. The adhesive is dried at, for example, 150° C. for a predetermined time period at

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Provided is an instant hot water module device for a bidet integrally equipped with a flow meter and a temperature fuse, comprising: a housing (10) in which a water inlet (11) in which inflow water is

Growth Catalysts in Ceramic Fuse Market

High Voltage Ceramic Fuse Sector Analysis The High Voltage Ceramic Fuse segment represents a critical and growing sub-sector within the industry, directly influencing the overall market

CN102557590A

The ceramic matrix prepared by using the ceramic powder for the fuse of the present invention can inhibit the internal electrode from diffusing to the ceramic matrix when it is co-fired with the internal

Innovation development trends of ceramic technology based on patent ...

Identification of Innovations in Ceramic Technology Through Patent Data and Literature-Based Innovation Output (LBIO) Method tries by analyzing information disseminated in technical and

Multilayer ceramic electronic component

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Ceramic patented technology retrieval search results

In an exemplary embodiment, the variably resistive matrix can comprise a positive temperature coefficient (PTC) material, such as a ceramic, that is engineered to exhibit a dramatically increasing

Analysis on patent layout of silicon carbide ceramic membrane ...

Silicon carbide ceramic membranes are known as a new generation of membrane products due to their excellent chemical stability and high flux advantages. This article, based on the

U.S. Patent for Fused silica tooling for high temperatures ceramic ...

The present disclosure relates generally to ceramic matrix composite material components and more specifically to methods of manufacturing ceramic matrix composite components.

THERMAL FUSE

When the protected electron-ic equipment has abnormal faults and heating, and the temperature reaches the fusing temperature of the tem-perature fuse, the fuse will be fused, thus cutting off the

WO2023099029A1

A printed fuse fabrication is provided. The printed fuse includes a low thermal conductivity ceramic substrate and a fusible element printed on the substrate.

WO2023090320A1

Provided is a chip fuse using an insulated substrate such as a ceramic substrate that is no greater than 2.0 mm in length and no greater than 1.2 mm in width, capable of ensuring suppression

U.S. Patent Application for FUSE WITH CAVITY BLOCK Patent

A ceramic adhesive is deposited within cavity 125 of fuse body 120 at step 430. The ceramic adhesive adheres to the interior surface of cavity 125 and serves to close or seal cavity 125.

U.S. Patent Application for CHIP-TYPE FUSE WITH A METAL WIRE

Chip-type fuses have characteristics of small size, lightweight, and good surge current resistance so that they are currently widely used in various electronic devices. In prior art, the chip-type fuses have a

PYROTECHNIC FUSE

Two commonly used solutions for isolating circuits are circuit breakers and fuses. A circuit breaker may be in the form of a switch. A fuse may mechanically break the circuit, thereby needing to be re-

THERMAL FUSE

The temperature fuse is composed of a temperature-sensing body, an electrode, a ceramic housing, a push rod, a spring, etc. Usually, this type of product adopts the structure in which the fusible

Fuse with a solid arc-quenching body made of non-porous rigid ceramic

A current-limiting fuse according to claim 1, wherein said non-porous rigid ceramic further has a high thermal conductivity and a high specific heat to rapidly absorb the heat produced within said arc

U.S. Patent Application for DESIGN AND FABRICATION OF PRINTED FUSE ...

CROSS REFERENCE TO RELATED APPLICATIONS This application is a continuation-in-part of U.S. patent application Ser. No. 16/590,020 filed on Oct. 1, 2019, entitled "Design and Fabrication of

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