

environment to cause the oxidized aluminium and oxide of the metal M to react to form the beta-alumina compound.

5521023

**COMPOSITE ELECTROLYTES FOR
ELECTROCHEMICAL DEVICES**

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A solid state polymer electrolyte composite which is formed by coating an inert electrically insulating ribbon or sheet of expanded or perforated plastic film with a liquid, ion-conductive polymer, and curing the polymer to form a solid state or semi-solid state electrolyte composite.

5521025

**ELECTRO CHEMICAL CELL
COMPRISING NON-RADIATION
CURABLE SOLID POLYMER
ELECTROLYTES**

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STATES

Electrochemical cells comprising solid polymeric electrolytes are composed of a solid polymeric matrix formed by polymerization of organophosphate compounds.

5523035

**PROCESS FOR PRODUCING
CARBONACEOUS MATERIAL**

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A process for producing a carbon/carbon composite having a ceramic and carbon coating on its surface consists essentially of the steps of heating a carbon/carbon composite at a temperature of from 800°

to 1,700°C, contacting the thus heated composite in the presence of hydrogen with at least one compound selected from the group consisting of halides and hydrides of Si, Zr, Ti, Hf, B, Nb and W in gaseous form to convert the surface of the carbon/carbon composite, in the absence of a carbon releasing gas, into a carbide ceramic layer and then forming a coating film consisting of both carbon and ceramic by vapor phase decomposition at a pressure of 5-100 Torr on said carbide ceramic.

5523180

**IONICALLY CONDUCTIVE MATERIAL
HAVING A BLOCK COPOLYMER AS THE
SOLVENT**

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De La Recherche Scientifique; Hydro-Queb

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1993. An ionically conductive material and its use are
described. The material comprises at least one salt
dissolved in a polymeric solvent and is characterized in
that the polymeric solvent essentially consists of a block
copolymer comprising at least one solvating segment
and at least one segment having excellent mechanical
properties, either intrinsically or once a number of
segments have been cross-linked. Said material may be
used as an electrolyte in various electrochemical
systems.

5523181

**POLYMER SOLID-ELECTROLYTE
COMPOSITION AND
ELECTROCHEMICAL CELL USING THE
COMPOSITION**

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The polymer solid-electrolyte composition according to
the present invention comprises a polymer solid