

ABSTRACT

TITLE OF THE INVENTION: ION-CONDUCTING MEMBRANE, PROCESS FOR
PRODUCING SUCH A MEMBRANE, CELL COMPRISING SUCH A MEMBRANE,
5 AND PLANT COMPRISING SUCH A CELL

The invention relates to an ion-conducting membrane for an electrochemical device, said membrane comprising a layer of a material comprising a ceramic, characterized in that said ceramic comprises boron carbide (B₄C). The invention also relates to a
10 method for producing a membrane and to a cell for an electrochemical device. Application to the electrolysis of water.