IONTOPHORESIS DEVICE

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to further enhance the administration efficiency of a drug in an iontophoresis device for administering drug ions to a living body through an ion-exchange membrane. An iontophoresis device for administering drug ions via the first ion-exchange membrane, comprising a first porous film having a number of pores passing through the film from a front surface to a back surface, a first ion-exchange membrane formed of ion-exchange resin filling the pores of the first porous film and selecting ions of a first conductivity, and a working electrode structure having a drug holding part placed on a back surface of the first ion-exchange membrane and holding a drug solution containing drug ions charged in the first conductivity, wherein a layer of a water-soluble polymer compound chemically bonded to a material constituting the first porous film is formed on the surface of the first porous film.

FIG. 1