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| (21) International Application Number: <b>PCT/EP92/00491</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | (72) Inventors: TOLPA, Stanislaw ; Sudecka 124, 53-128 Wroclaw (PL). GERSZ, Tadeusz ; Zielonogorska 18 m 7, 53-617 Wroclaw (PL). RITTER, Stanislaw ; Buska 4 m 15, 53-326 Wroclaw (PL). KUKLA, Ryszard ; Piastowska 22 m 10, 50-864 Wroclaw (PL). SKRZYSZEWSKA, Malgorzata ; Benedyktynska 28 m 14, 50-350 Wroclaw (PL). TOMKOW, Stanislaw ; Lotnicza 7a, 54-154 Wroclaw (PL).                                                                                                                                                                                                                                                                                                                    |                                                                          |
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(54) Title: PEAT-DERIVED BIOACTIVE PRODUCTS AND PHARMACEUTICAL AND COSMETIC COMPOSITIONS CONTAINING THEM

## (57) Abstract

The peat-derived bioactive product contains not more than 70 %, preferably not more than 60 % by weight of inorganic salts, especially of sodium chloride, based on dry solids. It is obtainable by a process wherein a highly concentrated aqueous solution of inorganic salts, especially of sodium chloride containing peat-derived bioactive ingredients is diluted with demineralized water and subjected to reverse osmosis in order to desalinate the solution, inorganic salts being removed, and wherein the resulting solution is concentrated and clarified, and, optionally, in at least one further step, sterilized and/or spray-dried. A pharmaceutical formulation containing a peat-derived bioactive product, in the form of a gel, is prepared by combining a sterile alcoholic herb extract with sterile glycerol, a sterile aqueous solution of previously powdered peat-derived bioactive product and a sterile menthol solution; the resulting mixture is gradually combined with colloidal silica to convert the liquid composition into gel form, the weight ratio of liquid mixture to silica preferably being from 90:10 to 94:6. A cosmetic preparation such as a gel, ointment, balm, shampoo, bath salt lotion etc. contains as active ingredient the instant peat-derived bioactive product in a quantity of 0.01-10 % by weight, preferably 0.05-1 % by weight, more preferably 0.05-0.1 % by weight.

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