

Title (en)

METHOD FOR COATING CELLULOSIC MATERIAL

Title (de)

VERFAHREN ZUR BESCHICHTUNG VON ZELLULOSEMATERIAL

Title (fr)

MÉTHODE DE REVÊTEMENT D'UNE MATIÈRE CELLULOSIQUE

Publication

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Application

EP 23020166 A 20230331

Priority

PT 11789422 A 20220331

Abstract (en)

The present invention relates to a method for coating cellulose material with essential oils that allows retarding the evaporation of these essential oils from the surface of the cellulose material. These oils are added to the cellulose material to provide it with antimicrobial and antioxidant properties. The method described in this invention delays the release of the active compounds during drying and during exposure of the cellulosic material to air. The method disclosed herein comprises a chemical modification of a starch with a cyclodextrin, followed by dispersion of this modified starch at high temperatures, for finally being used in a coating step, together with the essential oil of interest. The method described herein does not require the use of surfactants or organic cosolvents to retard the evaporation of the essential oils added to the cellulosic material and according to its application.

IPC 8 full level

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