

ABSTRACT

COATING COMPOUND OF HIGHLY FUNCTIONAL MATERIALS ON PLANTS BY ECOLOGICAL ENGINEERING TECHNOLOGY AND MANUFACTURING METHOD THEREOF

A coating compound of highly functional materials on plants by ecological engineering technology at least comprises a covering with a functional material, and a protector with a polymeric stabilizing material. The covering covers a surface of a plant organ, the covering comprises a stomata expansion material with a function of promoting the expansion of a plurality of stomata, so that the functional material is absorbed into the plant through the stomata. The covering is an adhesive water-based material with a variable surface charge. The protector covers a surface of the covering, and the polymeric stabilizing material is used to stabilize and polymerize a biogel or a biodegradable gel of the protector and/or the covering, so as to increase a quantity and a density of the functional material absorbed by the plant organ.

Figure 1