

ABSTRACT OF THE DISCLOSURE

PROCESS FOR MANUFACTURING CELLULOSE MOLDING, PLANT COMPONENT EXTRACTING APPARATUS, AND PROCESS FOR PRODUCING CELLULOSE ACETATE

A process for manufacturing a cellulose molding, the process comprising: steaming corncob meal at a temperature of 150 to 250°C and a pressure of 20 to 29 MPa; filtering the steamed corncob meal with a filtering device to obtain a solid; and molding the solid;

a plant component extracting apparatus comprising: raw material processing means including a raw material supply portion for supplying a plant raw material and a raw material pressurizing portion for heating and pressurizing the supplied plant raw material at 150 to 350°C and 5 to 30 MPa, respectively; hot water supply means including a pressurizer and a heater and supplying sub-critical water having a temperature of 300 to 350°C pressurized at a pressure of 28 to 30 MPa; and hot water reacting means for carrying out a steaming treatment by mixing the heated and pressurized plant raw material with the sub-critical water supplied from the hot water supply means; and

a process for manufacturing cellulose acetate, the process comprising: steaming a material selected from bagasse, kenaf, reeds and rice straw in a pressure vessel at a temperature of 150 to 350°C and a pressure of 15 to 29 MPa; filtering the steamed material with a filtering device to obtain a solid; and dehydrating and acetylating the solid by adding acetic anhydride and sulfuric acid to the solid.