

Abstract

Dry-process Reconstituted Tobacco Leaf, Method and Device for Producing Dry-process Reconstituted Tobacco Leaf

A method and device for producing a dry-process reconstituted tobacco leaf relate to the field of reconstituted tobacco leaf production. The method for producing a dry-process reconstituted tobacco leaf includes steps of: pulverizing and defibering, under an anhydrous condition, plant fibers to generate a base sheet; mixing tobacco powder as pulverized with water, adhesive, humectant and tobacco essence flavor to provide coating liquid; and loading the coating liquid onto the base sheet and performing a drying process, to generate the dry-process reconstituted tobacco leaf. The device for producing a dry-process reconstituted tobacco leaf includes a fiber defibering means configured to pulverize and defiber plant fibers, a base sheet forming means configured to make the pulverized and defibered plant fibers formed into a base sheet, a spraying means configured to spray coating liquid onto the base sheet, and a drying means configured to dry the base sheet on which the coating liquid is loaded, so as to obtain the dry-process reconstituted tobacco leaf. The dry-process reconstituted tobacco leaf is produced by the above method or device for producing a dry-process reconstituted tobacco leaf. The present method and device for producing a dry-process reconstituted tobacco leaf are featured by a simple process flow, low water consumption and a high utilization ratio of raw materials.

(Fig. 1)