

Title (en)

PROCESSING DEVICE AND MANUFACTURING METHOD FOR COOLING ELEMENT, AND CIGARETTE PROCESSING SYSTEM

Title (de)

VERARBEITUNGSVORRICHTUNG UND HERSTELLUNGSVERFAHREN FÜR EIN KÜHLELEMENT UND
ZIGARETTENVERARBEITUNGSSYSTEM

Title (fr)

DISPOSITIF DE TRAITEMENT ET PROCÉDÉ DE FABRICATION POUR ÉLÉMENT DE REFROIDISSEMENT, ET SYSTÈME DE TRAITEMENT
DE CIGARETTES

Publication

EP 4256992 A1 20231011 (EN)

Application

EP 22791065 A 20220420

Priority

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- CN 2022087918 W 20220420

Abstract (en)

A processing device and a manufacturing method for a cooling element, and a cigarette processing system are provided. The processing device for a cooling element includes a cooling material pretreatment unit (1) and a composite molding unit (2); the cooling material pretreatment unit (1) is configured for pretreating cooling materials; and the composite molding unit (2) is configured for compositing tows into layered cooling materials and molding the layer cooling materials. The cigarette processing system includes the processing device for a cooling element. The manufacturing method for a cooling element includes: respectively pretreating at least one group of cellulose acetate fiber tows and at least one group of polylactic acid fiber tows, then performing splicing, extrusion, and molding to form layered cooling materials including at least one cellulose acetate layer and at least one polylactic acid fiber layer, and then rolling the layered cooling materials into a columnar shape to obtain the cooling element. By means of the processing device and manufacturing method for a cooling element, a manufactured cooling element is stable in structure and good in cooling effect.

IPC 8 full level

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CPC (source: CN EP)

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