

Title (en)

Process for making a carbon heat source and smoking article including the heat source and a flavor generator.

Title (de)

Verfahren zur Herstellung einer Kohlehitzequelle und ein diese Quelle und einen Geschmacksstoffgenerator enthaltender Raucherartikel.

Title (fr)

Procédé de fabrication d'une source de chaleur carbonnée et article de fumeur comprenant la source de chaleur et un générateur d'arôme.

Publication

**EP 0117355 A2 19840905 (EN)**

Application

**EP 83307492 A 19831208**

Priority

US 45024782 A 19821216

Abstract (en)

The present invention relates to a process for producing a tasteless carbon heat source from a preformed article of a lingo-cellulosic material according to which the article is pyrolyzed in a continuously exchanged inert atmosphere at a temperature within the range of from about 800 DEG to about 1100 DEG C, for from about 0.5 to about 3 hours, then cooled in the inert atmosphere at a rate of from about 500 DEG to about 10 DEG C per hour to a temperature within the range of from about 275 DEG C to about 25 DEG C, and then subjected to at least one additional process step selected from an oxygen absorption step, a salt impregnation followed by heat treatment step, and a water desorption step. The present invention also relates to a smoking article including the carbon heat source, and a flavor generator comprising a substrate material containing at least one thermally releasable flavorant.

IPC 1-7

**A24B 15/18; A24D 3/02**

IPC 8 full level

**A24B 15/16** (2006.01); **A24C 5/00** (2020.01); **A24D 1/22** (2020.01); **A24D 3/02** (2006.01); **A24F 47/00** (2006.01)

CPC (source: EP US)

**A24B 15/165** (2013.01 - EP US); **A24C 5/00** (2013.01 - EP); **A24D 1/22** (2020.01 - EP US); **A24D 3/02** (2013.01 - EP)

Cited by

US5146934A; US5246018A; US5099861A; EP0264195A1; US5076297A; US5067499A; US4981522A; US4756318A; US5027836A; US4881556A; US5040552A; EP2269476A1; US4714082A; US4793365A; US5076292A; US5247949A; US5019122A; US5042509A; EP0283707A3; US4893639A; EP0254848A3; US4827950A; US5105836A; US5092353A; US5076296A; US4771795A; US4938238A; US4732168A; EP0270916A3; US4858630A; US4991606A; US4928714A; US4854331A; US5020548A; US5468266A; US5595577A; US5119834A; EP0407792A3; US4917128A; US5148821A; US5156170A; US5074321A; US5188130A; EP0270944A3; US5133368A; CN103233294A; US10966464B2; USD897594S; US9578897B2; EP0336458A3; EP0337508A3; EP0337507A3; EP0337506A3; EP0339689A3; EP0339690A3; EP0174645A3; AU623260B2; CN103233295A; US5105831A; US5027837A; US4942888A; US4966171A; EP0336457A3; EP0336456A3; EP0337505A3; EP0337504A3; EP0340808A3; US4989619A; EP0212234A3; USD834743S; USD841231S; USD844221S; USD873480S; US10485266B2; US11013265B2; US9848656B2; US10092037B2; US10098386B2; US10123566B2; US10405583B2; US10716903B2; US10780236B2; US10881814B2; US10980953B2; US11478593B2; US11511058B2; US11730901B2

Designated contracting state (EPC)

CH DE GB LI NL

DOCDB simple family (publication)

**EP 0117355 A2 19840905; EP 0117355 A3 19860326; EP 0117355 B1 19910320; DE 3382221 D1 19910425**

DOCDB simple family (application)

**EP 83307492 A 19831208; DE 3382221 T 19831208**