Title (en)

DEVICE FOR CONTINUOUSLY DETERMINING TWO PHYSICAL CHARACTERISTICS OF THE CONSTITUENTS OF A SMOKABLE PRODUCT

Publication

EP 0284640 B1 19920617 (DE)

Application

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Priority

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Abstract (en)

[origin: US4865051A] An apparatus for the continuous determination of two physical properties of the constituents of a smokable article from the mechanical properties of a rod of tobacco or filter fibres during the production of said rod employs a format finger for compacting the rod of tobacco or filter fibres to a predetermined diameter; the format finger made from hard metal comprises at a first point, at which the diameter of the rod corresponds substantially to the diameter of the finished rod, at least one opening for subjecting the rod to a gas stream; the one or each opening is connected via a critically traversed nozzle in a supply conduit to a gas source; a measuring-value transducer determines the pressure drop of the gas stream with constant volume occurring at the rod and thus the draw resistance. At a second point of the format finger a transducer of the temperature of the format finger caused by the friction heat at a predetermined conveying speed of the rod is disposed in a blind bore; said temperature represents a measure for the hardness of the smokable article.

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IPC 8 full level

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CPC (source: EP US)

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