

Title (en)

Process and apparatus for the treatment of material such as tobacco.

Title (de)

Verfahren und Vorrichtung zur Behandlung von Materialien, wie Tabak.

Title (fr)

Procédé et appareil pour le traitement de matériaux tels que le tabac.

Publication

EP 0404475 A2 19901227 (EN)

Application

EP 90306604 A 19900618

Priority

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- US 51984190 A 19900510

Abstract (en)

Process and apparatus for the treatment of tobacco material and other biological materials includes a mechanism comprising a dynamic seal having components (120,122) having cooperating movable surfaces for sealing a treatment chamber (50) that substantially prevents the passage of fluid at the treatment chamber pressure during movement of the components for introducing material into and removing material from the chamber. The seal components preferably comprise advanced structural ceramic components having a hardness of at least 900 kg/mm<2> and a flatness of at least 70 microinches (1.8 micrometres). The process is preferably conducted at supercritical gaseous conditions.

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