

Title (en)

APPARATUSES, SYSTEMS, AND ASSOCIATED METHODS FOR FORMING POROUS MASSES FOR SMOKE FILTERS

Title (de)

VORRICHTUNGEN, SYSTEME UND ZUGEHÖRIGE VERFAHREN ZUR FORMUNG PORÖSER MASSEN FÜR RAUCHFILTER

Title (fr)

APPAREILS, SYSTÈMES ET PROCÉDÉS ASSOCIÉS DE FORMATION DE MASSES POREUSES POUR FILTRES À FUMÉE

Publication

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Application

EP 13845853 A 20131010

Priority

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Abstract (en)

[origin: WO2014059101A1] High-throughput production apparatuses, systems, and associated methods may include pneumatic dense phase feeding. For example, a method may involve feeding via pneumatic dense phase feeding a matrix material into a mold cavity to form a desired cross-sectional shape, the matrix material comprising a binder particle and an active particle; heating (e.g., via microwave irradiation) at least a portion of the matrix material so as to bind the matrix material at a plurality of contact points thereby forming a porous mass length; cooling the porous mass length; and cutting the porous mass length radially thereby producing a porous mass. In some instances, the matrix material may include a plurality of active particles, a plurality of binder particles (optionally having a hydrophilic surface modification), and optionally a microwave enhancement additive.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

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- [A] ANONYMOUS: "Pneumatic Conveying Optimal solutions for Specialised Mechanical Equipment", 1 August 2012 (2012-08-01), XP055298128, Retrieved from the Internet <URL:http://www.tenova.com/public/AA/products/tenova_takraf - pneumatic conveying.pdf> [retrieved on 20160829]
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