

Title (en)

METHOD AND APPARATUS FOR FABRICATING A PARTICLE-COATED SUBSTRATE, AND SUCH SUBSTRATE

Title (de)

HERSTELLUNGSVERFAHREN EINES MIT PARTIKELN BESCHICHTETEN SUBSTRATES

Title (fr)

PROCEDE DE FABRICATION D'UN SUBSTRAT ENDUIT DE PARTICULES, APPAREIL CORRESPONDANT ET SUBSTRAT DE CE TYPE

Publication

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Application

EP 96911256 A 19960308

Priority

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- US 9603091 W 19960308

Abstract (en)

[origin: WO9628256A1] A particle-coated substrate (in particular, an abrasive material formed by coating a substrate with abrasive particles) in which a substrate is coated uniformly and in a thin layer with cohesive fine particles, a particle ejector for fabricating the coated substrate, a coated substrate fabricating apparatus comprising the ejector, a particle-coated substrate fabricating method (in particular, a method of fabricating an abrasive material in which a substrate is coated with abrasive particles), and an abrasive sheet. Agitation gas is fed through the porous wall of a particle storage container (110) in the ejector, and an ejection gas is fed from an ejector nozzle (120) through the container to deliver the fluidized particles and ejection gas through a discharge tube (130) generally coaxial with the ejection gas nozzle (120). The particle ejector is capable of attaining a uniform particle size distribution without causing the particles to undergo blocking, agglomeration, or bridging.

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