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THERMAL SPRAY COATING PROCESS FOR ROTOR BLADE TIPS USING A ROTATABLE HOLDING FIXTURE

ABSTRACT OF THE DISCLOSURE

A process for controllably applying thermal spray coating onto substrates is described. The process includes positioning rotor blades in a fixture rotatable about an axis, forming a spray of particles of softened coating medium in an apparatus for propelling the coating medium towards the blade tips and coating the blade tips by passing the blades through the spray of particles of coating medium. Various process details, including process parameters, are developed.

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