

SPRAY COATING POWDER AND METHOD OF MANUFACTURING SPRAY COATING POWDER

ABSTRACT OF THE DISCLOSURE

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In a spray powder for a spray-coating process, the spray powder includes particles having an average diameter of about 20 μm to about 60 μm and generated from a slurry mixture including a first slurry and a second slurry. The first slurry includes yttrium oxide particles having diameters of about 0.01 μm to about 2 μm , a
10 first dispersing agent for uniformly dispersing the yttrium oxide particles, a first bonding agent for bonding the yttrium oxide particles, and a first solvent. The second slurry includes aluminum oxide particles having diameters of about 0.5 μm to about 2 μm , a second dispersing agent for uniformly dispersing the aluminum oxide particles, a second bonding agent for bonding the yttrium oxide particles, and a second solvent.

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Figure 2 accompanies the abstract.