

Title (en)
PLATING OR COATING METHOD FOR PRODUCING METAL-CERAMIC COATING ON A SUBSTRATE

Title (de)
PLATTIERUNGS- ODER BESCHICHTUNGSVERFAHREN ZUR HERSTELLUNG EINER METALL-KERAMIK-BESCHICHTUNG AUF EINEM SUBSTRAT

Title (fr)
PROCÉDÉ DE PLACAGE OU DE REVÊTEMENT POUR LA PRODUCTION D'UN REVÊTEMENT MÉTAL-CÉRAMIQUE SUR UN SUBSTRAT

Publication
EP 3149222 A1 20170405 (EN)

Application
EP 15798809 A 20150526

Priority
• US 201462003341 P 20140527
• IB 2015053902 W 20150526

Abstract (en)
[origin: WO2015181706A1] A plating or coating method for producing a metal-ceramic composite coating on a substrate is provided. The method comprises adding a sol of a ceramic phase to a plating solution or electrolyte and controlling the pH, degree of mixing, and/ or temperature of the plating solution or electrolyte. An item or surface comprising a substrate and a metal-ceramic composite coating on the substrate, the metal-ceramic composite coating comprising a ceramic phase of dispersed amorphous ceramic particles having an average diameter of from 1 to 100 nm is also provided.

IPC 8 full level
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Cited by
CN110016709A; CN115058746A

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WO 2015181706 A1 20151203; CN 107075683 A 20170818; EP 3149222 A1 20170405; EP 3149222 A4 20180606; TW 201610225 A 20160316; TW I674332 B 20191011; US 2017101722 A1 20170413

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