

Title (en)
METALIZED CERAMIC PART, PROCESS FOR PREPARING SAME, AND PROCESS FOR ASSEMBLING THIS PART WITH A METAL OR CERAMIC PART

Title (de)
METALLISIERTES KERAMISCHES TEIL, VERFAHREN ZUR HERSTELLUNG DAVON UND VERFAHREN ZUR MONTAGE DIESES TEILS MIT EINEM METALLISCHEN ODER KERAMISCHEN TEIL

Title (fr)
PIECE EN CERAMIQUE METALLISEE, SON PROCEDE DE PREPARATION, ET PROCEDE POUR ASSEMBLER CETTE PIECE AVEC UNE PIECE EN METAL OU EN CERAMIQUE

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Application
EP 15820469 A 20151217

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Abstract (en)
[origin: WO2016097112A2] Part made of a ceramic comprising at least one metalized outer surface, comprising a compositionally graded coating, said coating successively comprising from the outer surface toward the ceramic in the direction of the thickness of the coating: a surface layer formed by a metal M; a layer of an oxide of the metal M: M_kO_w where k ranges from 1 to 3 and w ranges from 1 to 4; a layer of a reaction compound between the oxide of a metal M and the ceramic which has a composition gradient, which is preferably continuous, in the direction of the thickness of said layer, with a content of metal M that decreases, preferably continuously, toward the ceramic. Process for preparing this part. Process for assembling a first part made of a ceramic with a second part made of a metal or made of a ceramic in which at least one surface of a first part made of a ceramic is metalized by said process.

IPC 8 full level
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