

Title (en)

Thermal spray application of polymeric material

Title (de)

Verfahren zum thermischen Besprühen von polymeren Materialien

Title (fr)

Pulvérisation thermique de matériaux polymériques

Publication

**EP 0988898 A2 20000329 (EN)**

Application

**EP 99307426 A 19990920**

Priority

US 15906098 A 19980923

Abstract (en)

A PEEK composite may be applied to a metallic substrate (32) through an HVOF process. The metallic substrate (32) is prepared with a metallic bonding layer (34) that is arc sprayed onto its surface. A powderized PEEK composite material (36) is then heated and propelled against the substrate (32) and bonding layer (34) by a high velocity oxy fuel technique to uniformly coat the substrate (32). Following the HVOF process, the PEEK coating is annealed to provide a durable, PEEK-coated substrate. <IMAGE>

IPC 1-7

**B05D 1/08**

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2808461A1; EP3006590A1; EP3603825A3; US11591103B2; US9981284B2; US9486832B2; WO2010135721A3; WO0142525A3; US11136480B2; US10113588B2; US10563696B2; US8496018B2; US8807152B2; US9803690B2; US9885100B2; US10458011B2; US11459481B2; US11767436B2; US9782956B2; US11390773B2; WO2013101928A1

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