

Title (en)
COMPOSITE PRODUCTS AND MANUFACTURING METHOD

Title (de)
VERBUNDPRODUKTE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PRODUITS COMPOSITES ET PROCÉDÉ DE FABRICATION

Publication
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Application
EP 11815892 A 20110801

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Abstract (en)
[origin: WO2012019216A1] A composite product and a method of manufacturing the composite product are disclosed. The composite product includes (a) a polymeric material binder and a metal- bearing material or (b) the polymeric material binder and a carbon-bearing material. The 5 method includes heating and mixing the components of the composite product and thereafter forming the heated mixture into a final product shape, with the heating step being sufficient to melt at least a part of the polymeric material binder to facilitate forming the product.

IPC 8 full level
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Citation (search report)
• [X] JP 2002235122 A 20020823 - TETSUGEN CORP, et al
• [X] JP 2001348626 A 20011218 - DAIDO STEEL CO LTD
• [X] BE 1010378 A6 19980707 - CENTRE RECH METALLURGIQUE [BE]
• [X] US 6165238 A 20001226 - PARKINSON JAMES W [US], et al
• [X] GB 901789 A 19620725 - STAMICARBON
• [X] US 6253527 B1 20010703 - DE ZEN VIC [CA]

Citation (examination)
• US 2009235577 A1 20090924 - FLANERY THOMAS K [US], et al
• See also references of WO 2012019216A1

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