

Title (en)
DUAL-CURING COATING COMPOSITIONS

Title (de)
BESCHICHTUNGSZUSAMMENSETZUNGEN MIT DUALER HÄRTUNG

Title (fr)
COMPOSITIONS DE REVÊTEMENT À DOUBLE DURCISSEMENT

Publication
EP 3538586 A1 20190918 (DE)

Application
EP 17801429 A 20171114

Priority
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• EP 2017079218 W 20171114

Abstract (en)
[origin: US2018133953A1] A process for producing an object from a precursor comprises the steps of: depositing a free-radically crosslinked resin atop a carrier to obtain a ply of a construction material joined to the carrier which corresponds to a first selected cross section of the precursor; depositing a free-radically crosslinked resin atop a previously applied ply of the construction material to obtain a further ply of the construction material which corresponds to a further selected cross section of the precursor and which is joined to the previously applied ply; repeating step II) until the precursor is formed; wherein the depositing of a free-radically crosslinked resin at least in step II) is effected by exposure and/or irradiation of a selected region of a free-radically crosslinkable resin corresponding to the respectively selected cross section of the object and wherein the free-radically crosslinkable resin has a viscosity (23 ° C., DIN EN ISO 2884-1) of ≥ 5 mPas to ≤ 100000 mPas. In the process the free-radically crosslinkable resin comprises a curable component in which NCO groups and olefinic C=C double bonds are present, wherein in the curable component the molar ratio of NCO groups to olefinic C=C double bonds is in a range from $\geq 1:5$ to $\leq 5:1$.

IPC 8 full level
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CPC (source: CN EP KR US)
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US 10449714 B2 20191022; **US 2018133953 A1 20180517**; CN 109923142 A 20190621; CN 109923143 A 20190621; CN 109923143 B 20220422; CN 109963890 A 20190702; CN 110023368 A 20190716; CN 114874411 A 20220809; EP 3538583 A1 20190918; EP 3538584 A1 20190918; EP 3538584 B1 20200826; EP 3538585 A1 20190918; EP 3538586 A1 20190918; JP 2019535554 A 20191212; JP 7216644 B2 20230201; KR 102388093 B1 20220420; KR 20190086447 A 20190722; US 11590692 B2 20230228; US 11613072 B2 20230328; US 2019337224 A1 20191107; US 2019367665 A1 20191205; US 2019367666 A1 20191205; US 2020190245 A1 20200618; WO 2018087382 A1 20180517; WO 2018087395 A1 20180517; WO 2018087396 A1 20180517; WO 2018087399 A1 20180517

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