

Title (en)
INTERLACED COMPOSITES INTEGRATED WITH TRANSMISSION MATERIAL AND METHOD FOR FABRICATING THE SAME

Title (de)
MIT ÜBERTRAGUNGSMATERIAL INTEGRIERTE VERFLOCHTENE VERBUNDWERKSTOFFE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
COMPOSITES ENTRELACÉS INTÉGRÉS À UN MATÉRIAU DE TRANSMISSION ET LEUR PROCÉDÉ DE FABRICATION

Publication
EP 4072836 A4 20240110 (EN)

Application
EP 20897907 A 20201210

Priority

- US 201916711668 A 20191212
- US 2020064157 W 20201210

Abstract (en)
[origin: WO202119224A1] A machine for fabricating three-dimensional interlaced composite components including a frame, a deposition surface, a first set of two or more warp heads, a second set of two or more of warp heads, and a weft inserter. An interlaced composite component including a first set of two or more warp filaments parallel to each other and a first set of two or more weft filaments parallel to each other. Warp filaments are interlaced with, and bonded to, weft filaments s. Warp filaments and weft filaments are interlaced in at least two different weave patterns. Warp filaments and weft filaments are continuous, and the weave patterns transition from one pattern to another.

IPC 8 full level
B29C 70/22 (2006.01); **B29C 64/00** (2017.01); **B29C 70/24** (2006.01); **B29C 70/50** (2006.01); **B29C 70/54** (2006.01); **B29C 70/88** (2006.01); **B33Y 30/00** (2015.01); **D03D 1/00** (2006.01); **D03D 15/533** (2021.01); **D03D 15/547** (2021.01); **D03D 15/67** (2021.01); **D03D 41/00** (2006.01); **B29K 105/08** (2006.01)

CPC (source: EP KR)
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Citation (search report)

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- [X] EP 2971302 B1 20180829 - BEKAERT SA NV [BE]
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- See also references of WO 202119224A1

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US 2020064157 W 20201210; EP 20897907 A 20201210; JP 2022534639 A 20201210; KR 20227023995 A 20201210