

Title (en)
THREAD STRUCTURE

Title (de)
FADENSTRUKTUR

Title (fr)
STRUCTURE DE FIL

Publication
EP 3755833 B1 20211222 (DE)

Application
EP 19721187 A 20190225

Priority
• DE 102018001440 A 20180223
• EP 2019000056 W 20190225

Abstract (en)
[origin: WO2019161969A1] The present invention relates to a thread structure with thread bundles which are laid in parallel with respect to one another, composed of individual threads which are mutually crossing each other and form spacings between the thread bundles, each of which being provided with a thermoplast matrix in a volume-filling manner in the manner of a composite material.

IPC 8 full level
D03D 1/00 (2006.01); **D03D 9/00** (2006.01); **D03D 13/00** (2006.01); **D03D 15/47** (2021.01); **D03D 15/587** (2021.01)

CPC (source: EP US)
D03D 1/00 (2013.01 - EP); **D03D 9/00** (2013.01 - EP); **D03D 13/002** (2013.01 - EP); **D03D 15/47** (2021.01 - EP US); **D03D 15/587** (2021.01 - EP); **D10B 2401/041** (2013.01 - EP); **D10B 2505/02** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019161969 A1 20190829; CN 112041491 A 20201204; CN 112041491 B 20220503; DE 102018001440 A1 20190829; EP 3755833 A1 20201230; EP 3755833 B1 20211222; EP 4001480 A1 20220525; PL 3755833 T3 20220627; PT 3755833 T 20220120

DOCDB simple family (application)
EP 2019000056 W 20190225; CN 201980013892 A 20190225; DE 102018001440 A 20180223; EP 19721187 A 20190225; EP 21215088 A 20190225; PL 19721187 T 20190225; PT 19721187 T 20190225