

Title (en)
Fibre composite.

Title (de)
Faserverbundwerkstoff.

Title (fr)
Matériau à fibres.

Publication
EP 0121655 A2 19841017 (DE)

Application
EP 84100476 A 19840118

Priority
DE 3307066 A 19830301

Abstract (en)
[origin: US4581284A] A fiber compound material of individual layers of superposed fiber plies such as glass fiber prepregs which are joined together by a matrix of a resin and a hardener and act as a load carrying structure to absorb electromagnetic waves. Radar beam-absorbing fillers, for instance iron powder or soot, are included, in concentrations varying from the outside to the inside, in the individual plies of the fiber compound material.

Abstract (de)
Der Faserverbundwerkstoff besteht aus einzelnen Schichten übereinander angeordneter und durch eine, aus einem Harz und Härter bestehenden Matrix miteinander verbundener gerichteter Faserlagen, z. B. Glasfaserprepregs, als tragende Struktur zur Absorption elektromagnetischer Wellen. Dazu sind in den einzelnen Schichten des Faserverbundwerkstoffes (7) Radarstrahlung absorbierende Füllstoffe (10), z.B. Eisenpulver oder Ruß, mit von außen nach innen variierender Konzentration eingelagert.

IPC 1-7
H01Q 17/00

IPC 8 full level
B32B 5/28 (2006.01); **B32B 7/02** (2006.01); **H01Q 17/00** (2006.01)

CPC (source: EP US)
H01Q 17/002 (2013.01 - EP US); **Y10S 428/902** (2013.01 - EP US); **Y10S 428/919** (2013.01 - EP US); **Y10T 428/25** (2015.01 - EP US); **Y10T 428/256** (2015.01 - EP US); **Y10T 428/2982** (2015.01 - EP US); **Y10T 442/67** (2015.04 - EP US)

Cited by
EP0323826A1; EP0411198A1; FR2647601A1; GB2192756A; EP0377879A1; EP0238291A1; EP0742095A3; EP0318873A1; US5095311A; EP0377878A1; US5083127A; EP0924798A1; FR2772520A1; US6111534A

Designated contracting state (EPC)
FR GB IT

DOCDB simple family (publication)
EP 0121655 A2 19841017; **EP 0121655 A3 19860416**; DE 3307066 A1 19840913; JP S59176035 A 19841005; US 4581284 A 19860408

DOCDB simple family (application)
EP 84100476 A 19840118; DE 3307066 A 19830301; JP 3740584 A 19840301; US 58444284 A 19840228