

Title (en)
ANTISTATIC CORE/SHEATH ROPE

Title (de)
ANTISTATISCHES KERN-MANTELSEIL

Title (fr)
CÂBLE À ÂME ET GAINÉ ANTISTATIQUE

Publication
EP 4335953 A1 20240313 (DE)

Application
EP 22194821 A 20220909

Priority
EP 22194821 A 20220909

Abstract (en)
[origin: US2024084505A1] The invention refers to a rope (3) made of a textile fiber material, comprising a rope core (6) as well as a sheath (7) surrounding the rope core (6), wherein the rope (3) comprises at least one antistatic multifilament yarn (5) or antistatic monofilament that is located in the rope core (6), in the sheath (7), in an intermediate sheath (8) located between the rope core (6) and the sheath (7) and/or in a reinforcement located between the rope core (6) and the sheath (7), wherein the antistatic monofilament or individual filaments (12) of the antistatic multifilament yarn (5) each comprise a conductive fiber core (13) sheathed with a non-conductive plastic sheath (14), and wherein the at least one antistatic multifilament yarn (5) or antistatic monofilament is twisted with a twine (16) or yarn of a different material, wherein the other material of the twine (16) or yarn mentioned is preferably UHMWPE or PES.

Abstract (de)
Die Erfindung betrifft ein Seil (3) aus textilem Fasermaterial, umfassend einen Seilkern (6) sowie eine den Seilkern (6) umgebende Ummantelung (7), wobei das Seil (3) zumindest ein antistatisches Multifilamentgarn (5) oder ein antistatisches Monofilament umfasst, welches im Seilkern (6), in der Ummantelung (7), in einem zwischen dem Seilkern (6) und der Ummantelung (7) befindlichen Zwischenmantel (8) und/oder in einer zwischen dem Seilkern (6) und der Ummantelung (7) befindlichen Bewehrung vorgesehen ist, wobei das antistatische Monofilament oder Einzelfilamente (12) des antistatischen Multifilamentgarns (5) jeweils einen leitenden Faserkern (13) umfassen, der von einer nichtleitenden Kunststoffhülle (14) ummantelt ist.

IPC 8 full level
D01F 1/09 (2006.01)

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5. **D07B 2205/2039 + D07B 2801/22**
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Citation (applicant)
• WO 2012042576 A1 20120405 - TAKAGI KOGYO KK [JP], et al
• JP H01207483 A 19890821 - WATABE KOGYO KK
• US 5202185 A 19930413 - SAMUELSON HARRY V [US]
• US 3803453 A 19740409 - HULL D

Citation (search report)
• [Y] EP 3392404 A1 20181024 - TEUFELBERGER FIBER ROPE GMBH [AT]
• [X] EP 2434050 A1 20120328 - GLEISTEIN & SOHN GMBH GEO [DE]
• [Y] ANONYMOUS: "nega-stat - barnet", 20 June 2022 (2022-06-20), XP093024453, Retrieved from the Internet <URL:https://www.barnet.com/products/nega-stat/> [retrieved on 20230216]

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