

Title (en)

Sheathless conveyor cable for cable or municipal railways

Title (de)

Hüllenfreies Förderseil für Seilbahnen oder Stadtbahnen

Title (fr)

Câble transporteur sans gaine pour chemins de fers funiculaires ou municipaux

Publication

EP 1001075 A2 20000517 (DE)

Application

EP 99890314 A 19990930

Priority

AT 72098 U 19981105

Abstract (en)

The cable (1) structure, without a covering, has shaped wire strands (2) at intervals round a plastics core (3). The strands (2) have a trapezoid cross section, with an air space (4) between them. The cable uses six to eight strands (2), and pref. six, with a trapezoid cross section. The inner core (3) has a round cross section, with parts of its material forced outwards between the strands (2) through the cable twisting action, forming the air gaps (4) between the strands (2). Spacers can be inserted radially inwards into the air gaps (4) between the strands (2), as tensioners or support strands of a compact plastics or processed plastics fibers. The trapezoid wire strands (2) are compacted, with core inserts of compacted plastics or processed plastics fibers. The strands (2) can contain metal cores. The cable core (3) can have a softer outer plastics material than its center section.

Abstract (de)

Hüllenfreies Förderseil (1) für Seilbahnen oder Stadtbahnen, mit um einen Kern (3) aus Kunststoff oder Kunstfasern herum in gegenseitigen Abständen angeordneten Litzen (2), die als Formlitzen (2) ausgebildet sind, die einen im Wesentlichen trapezförmigen Querschnitt aufweisen, wobei zwischen den Formlitzen (2) ein Luftspalt (4) vorgesehen ist. <IMAGE>

IPC 1-7

D07B 1/06; **D07B 1/16**

IPC 8 full level

D07B 1/06 (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP)

D07B 1/068 (2013.01); **D07B 1/165** (2013.01); **D07B 5/10** (2013.01); **D07B 7/027** (2013.01); **D07B 2201/102** (2013.01); **D07B 2201/1032** (2013.01); **D07B 2201/104** (2013.01); **D07B 2201/1076** (2013.01); **D07B 2201/2016** (2013.01); **D07B 2201/2023** (2013.01); **D07B 2201/2036** (2013.01); **D07B 2201/204** (2013.01); **D07B 2201/2049** (2013.01); **D07B 2201/2055** (2013.01); **D07B 2201/2065** (2013.01); **D07B 2201/2073** (2013.01); **D07B 2205/201** (2013.01); **D07B 2205/2039** (2013.01); **D07B 2205/2046** (2013.01); **D07B 2205/205** (2013.01)

Cited by

WO2004081280A1; AT12824U1; AU2004219901B2; EP1321568A3; WO2009026730A1; WO2012016524A1; US10260198B2

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