

Title (en)  
SYNTHETIC FIBER ROPE FOR ELEVATORS

Title (de)  
KUNSTFASERSEIL FÜR AUFZÜGE

Title (fr)  
CABLE EN FIBRES SYNTHETIQUES POUR ASCENSEURS

Publication  
**EP 1312574 B1 20120307 (EN)**

Application  
**EP 00954956 A 20000824**

Priority  
JP 0005671 W 20000824

Abstract (en)  
[origin: EP1312574A1] An outer sheath layer 3 made of flexible synthetic resin is formed so as to cover the outer circumferences of a plurality of synthetic-resin-made strands 2 constituting an outer circumference portion of a synthetic fiber rope. Segments of predetermined lengths in the outer sheath layer 3 are formed so as to be adjacent to each other and differ in color from each other. On the basis of a relationship between the colored segments and a sheave around which the main cable is wound, the position of a car in a shaft is assigned to one of the colored segments in the outer sheath layer 3 beforehand. This realizes a function equal to that of indices marked on the synthetic fiber rope. As a result, even after an elevator system has been used for a long period of time, indices can be identified readily, thereby preventing difficulty in identifying indices, which would otherwise be caused by wear due to aging. Hence, there can be appropriately addressed an operation for rescuing passengers in an accidentally-stopped elevator car, thereby speeding the rescue operation. <IMAGE>

IPC 8 full level  
**D07B 1/16** (2006.01); **D07B 1/14** (2006.01)

CPC (source: EP KR US)  
**B66B 7/06** (2013.01 - EP); **D07B 1/145** (2013.01 - EP US); **D07B 1/148** (2013.01 - EP); **D07B 1/16** (2013.01 - KR);  
**D07B 1/162** (2013.01 - EP US); **D07B 5/005** (2013.01 - EP); **D07B 5/006** (2015.07 - EP); **D07B 2201/1004** (2013.01 - EP);  
**D07B 2201/2087** (2013.01 - EP); **D07B 2201/2092** (2013.01 - EP); **D07B 2501/2007** (2013.01 - EP)

Cited by  
EP2319795A3; EP3514095A1; US11001474B2; US11866300B2

Designated contracting state (EPC)  
CH DE FR LI NL

DOCDB simple family (publication)  
**EP 1312574 A1 20030521**; **EP 1312574 A4 20070110**; **EP 1312574 B1 20120307**; CN 1184132 C 20050112; CN 1376133 A 20021023;  
JP 4640907 B2 20110302; KR 100479152 B1 20050328; KR 20020037373 A 20020518; WO 0216249 A1 20020228

DOCDB simple family (application)  
**EP 00954956 A 20000824**; CN 00813494 A 20000824; JP 0005671 W 20000824; JP 2002521132 A 20000824; KR 20027004271 A 20020402