

Title (en)  
Coated wire rope

Title (de)  
Ummanteltes Drahtseil

Title (fr)  
Cable métallique revêtu

Publication  
**EP 1431450 A3 20050608 (EN)**

Application  
**EP 03028480 A 20031212**

Priority  
JP 2002366526 A 20021218

Abstract (en)  
[origin: EP1431450A2] A wire rope well suited for application to an elevator or a cargo handling machine, in which each of side strands (2) is constructed by twisting ordinary linear members together with at least one resinous linear member (4) that is larger in diameter than each of the ordinary linear members. Owing to the existence of the resinous linear member (4) of the relatively larger diameter, gaps (S2,S1) are respectively defined between the individual side stands (2) and a core rope (1) and between the respectively adjacent side strands (2), and a resin for outer layer coating (3) is pressed and packed through the gaps (S2,S1), thereby to prevent wear ascribable to the touch between a core rope (1) and the outer side strands (2), as well as wear ascribable to the touch between the adjacent outer side strands (2), and wear ascribable to the metal touch between a sheave and the outer side strands (2). <IMAGE>

IPC 1-7  
**D07B 1/06; D07B 1/16**

IPC 8 full level  
**B66B 7/06** (2006.01); **D06B 1/06** (2006.01); **D06B 1/16** (2006.01); **D07B 1/06** (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP KR)  
**D07B 1/0673** (2013.01 - EP); **D07B 1/068** (2013.01 - EP); **D07B 1/16** (2013.01 - EP KR); **D07B 1/162** (2013.01 - EP); **D07B 1/165** (2013.01 - EP); **D07B 2201/2012** (2013.01 - EP); **D07B 2201/2023** (2013.01 - EP); **D07B 2201/2024** (2013.01 - EP); **D07B 2201/2036** (2013.01 - EP); **D07B 2201/2037** (2013.01 - EP); **D07B 2201/2044** (2013.01 - EP); **D07B 2401/207** (2013.01 - EP); **D07B 2401/208** (2013.01 - EP); **D07B 2501/2007** (2013.01 - EP)

Citation (search report)

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- [A] US 3318082 A 19670509 - PHILIP RIGGS PETER
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DOCDB simple family (publication)  
**EP 1431450 A2 20040623; EP 1431450 A3 20050608; EP 1431450 B1 20090325**; CN 1316184 C 20070516; CN 1508456 A 20040630; DE 60326808 D1 20090507; JP 2004197263 A 20040715; JP 3756878 B2 20060315; KR 100625006 B1 20060920; KR 20040054549 A 20040625; TW 200413599 A 20040801; TW I237080 B 20050801

DOCDB simple family (application)  
**EP 03028480 A 20031212**; CN 200310120682 A 20031218; DE 60326808 T 20031212; JP 2002366526 A 20021218; KR 20030092833 A 20031218; TW 92133225 A 20031126