

Title (en)  
A steel wire rope for use in a drive system

Title (de)  
Stahldrahtseil zur Verwendung in einem Antriebssystem

Title (fr)  
Corde de fil d'acier pour une utilisation dans un système d'entraînement

Publication  
**EP 2365108 A3 20110921 (EN)**

Application  
**EP 11169291 A 20061211**

Priority  
• EP 06829620 A 20061211  
• EP 05112555 A 20051221  
• EP 11169291 A 20061211

Abstract (en)  
[origin: WO2007071340A1] A steel wire rope for use in a drive system such as found on a sliding vehicle door or window elevator is revealed. Particular about this rope is that it has a remarkable corrosion resistance that is obtained by spreading magnesium oxide particles over the zinc or zinc alloy coated steel wires and bringing those particles in contact with the coating. The spreading and contacting can be achieved by means of a liquid carrier such as an aliphatic mineral oil that is commonly used as the lubricant for such steel wire ropes. The magnesium oxide ensures an equal or better corrosion resistance even when reducing the thickness of the zinc coating. Reducing the thickness of the zinc coating increases the strength of the steel wire rope, while maintaining the diameter of the cord.

IPC 8 full level  
**C23C 28/00** (2006.01); **C23C 2/26** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP KR US)  
**C23C 2/06** (2013.01 - KR); **C23C 2/26** (2013.01 - EP KR US); **C23C 28/321** (2013.01 - EP KR); **C23C 28/3225** (2013.01 - EP KR); **C23C 28/345** (2013.01 - EP KR); **C23C 28/347** (2013.01 - EP KR); **C23C 30/00** (2013.01 - EP KR); **D07B 1/06** (2013.01 - EP); **D07B 1/0666** (2013.01 - EP); **D07B 2201/201** (2013.01 - EP); **D07B 2201/2011** (2013.01 - EP); **D07B 2201/2013** (2013.01 - EP); **D07B 2205/3071** (2013.01 - EP)

Citation (search report)  
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CN102975422A

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**WO 2007071340 A1 20070628**; AT E523611 T1 20110915; CN 101346490 A 20090114; CN 101346490 B 20120523; CN 102162077 A 20110824; CN 102162077 B 20130313; EP 1963543 A1 20080903; EP 1963543 B1 20110907; EP 2365108 A2 20110914; EP 2365108 A3 20110921; EP 2365108 B1 20180523; ES 2371777 T3 20120110; ES 2674405 T3 20180629; KR 101404645 B1 20140609; KR 20080077984 A 20080826; PL 1963543 T3 20120131; PL 2365108 T3 20181031; PT 1963543 E 20111215; PT 2365108 T 20180705; SI 1963543 T1 20120629; SI 2365108 T1 20190228; TR 201809596 T4 20180723

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**EP 2006012069 W 20061211**; AT 06829620 T 20061211; CN 200680048997 A 20061211; CN 201110046042 A 20061211; EP 06829620 A 20061211; EP 11169291 A 20061211; ES 06829620 T 20061211; ES 11169291 T 20061211; KR 20087014606 A 20061211; PL 06829620 T 20061211; PL 11169291 T 20061211; PT 06829620 T 20061211; PT 11169291 T 20061211; SI 200631177 T 20061211; SI 200632280 T 20061211; TR 201809596 T 20061211