

Title (en)

Synthetic fibre rope for use with a traction sheave

Title (de)

Kunstfaserseil zum Antrieb durch eine Seilscheibe.

Title (fr)

Câble en fibres synthétiques destiné à être utilisé avec une poulie d'entraînement

Publication

EP 1061172 A3 20010110 (DE)

Application

EP 00111777 A 20000603

Priority

- EP 00111777 A 20000603
- EP 99810512 A 19990611

Abstract (en)

[origin: US6508051B1] A synthetic fiber rope to be driven by a rope sheave is constructed as a twin rope consisting of two ropes with opposite directions of twist which extend parallel to and a fixed distance from each other. The ropes are surrounded by a rope sheath so as not to rotate when the twin rope runs over a rope sheave. The sheave acts as a torque neutralizer which, when the twin rope is loaded longitudinally, mutually offsets the oppositely oriented torques of the ropes which arise due to the structure of the rope, thereby causing over the entire cross-section of the twin rope equalization of the torques from the sum of all the parts having right-hand twist strands and all the parts having left-hand twist strands.

IPC 1-7

D07B 1/22; **D07B 1/16**; **D07B 1/02**

IPC 8 full level

D07B 1/04 (2006.01); **D07B 1/00** (2006.01); **D07B 1/02** (2006.01); **D07B 1/16** (2006.01); **D07B 1/22** (2006.01)

CPC (source: EP KR US)

B66B 7/062 (2013.01 - EP KR US); **D07B 1/025** (2013.01 - EP KR US); **D07B 1/162** (2013.01 - EP KR US); **D07B 1/22** (2013.01 - EP KR US); **D07B 2201/1008** (2013.01 - EP KR US); **D07B 2205/205** (2013.01 - EP KR US); **D07B 2401/2015** (2013.01 - EP KR US); **D07B 2501/2007** (2013.01 - EP KR US); **D10B 2331/021** (2013.01 - EP KR US)

C-Set (source: EP US)

D07B 2205/205 + **D07B 2801/10**

Citation (search report)

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- [YA] DE 2114278 A1 19711028 - BREEZE CORP
- [A] WO 9829327 A1 19980709 - KONE CORP [FI], et al

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DOCDB simple family (publication)

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DOCDB simple family (application)

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