

Title (en)  
MAIN CABLE OF ELEVATOR

Title (de)  
HAUPTSEIL FÜR AUFZUG

Title (fr)  
CABLE PRINCIPAL D'ASCENSEUR

Publication  
**EP 1371597 B1 20121114 (EN)**

Application  
**EP 01904515 A 20010216**

Priority  
JP 0101130 W 20010216

Abstract (en)  
[origin: EP1371597A1] In an elevator main rope, an outer layer portion is disposed so as to cover an outer circumference of an inner layer portion. The inner layer portion has a plurality of inner layer strands. The outer layer portion has a plurality of outer layer strands. The inner layer strands and the outer layer strands are constructed by twisting together base strands made of synthetic resin fibers. A tensile strength of the outer layer portion is set lower than a tensile strength of the inner layer portion. The inner layer portion has a tensile strength equal to or greater than sixty percent of an overall tensile strength. <IMAGE>

IPC 8 full level  
**D07B 1/02** (2006.01); **D07B 1/14** (2006.01); **D07B 1/16** (2006.01)

CPC (source: EP US)  
**D07B 1/025** (2013.01 - EP); **D07B 1/142** (2013.01 - EP US); **D07B 1/145** (2013.01 - EP US); **D07B 1/162** (2013.01 - EP); **D07B 2201/2074** (2013.01 - EP); **D07B 2201/2076** (2013.01 - EP); **D07B 2205/205** (2013.01 - EP); **D07B 2501/2007** (2013.01 - EP)

Citation (examination)  
EP 1029974 A1 20000823 - INVENTIO AG [CH]

Cited by  
EP1930496A3; EP1930497A3; AU2007237327B2; US10472765B2; US7665289B2; US8360208B2; US9731938B2; TWI472665B

Designated contracting state (EPC)  
CH DE FR LI NL

DOCDB simple family (publication)  
**EP 1371597 A1 20031217**; **EP 1371597 A4 20070214**; **EP 1371597 B1 20121114**; CN 1183026 C 20050105; CN 1423616 A 20030611; JP 5398944 B2 20140129; JP WO2002064480 A1 20040610; WO 02064480 A1 20020822

DOCDB simple family (application)  
**EP 01904515 A 20010216**; CN 01808119 A 20010216; JP 0101130 W 20010216; JP 2002564419 A 20010216