

Title (en)  
Brand with limited spring effect

Title (de)  
Litze mit beschränkter Federwirkung

Title (fr)  
Toron à effet ressort limité

Publication  
**EP 2192596 B1 20110706 (FR)**

Application  
**EP 09171948 A 20091001**

Priority  
FR 0857021 A 20081016

Abstract (en)  
[origin: KR20100042609A] PURPOSE: A strand is provided to prevent the degradation of the mechanical strength of an electric conductor wire by omitting a thermal process for an electric conductor wire. CONSTITUTION: A strand comprises at least one electric conductor wire. The strand has a cross section which is less than  $0.35\text{mm}^2$ . The electric conductor wire is made of the copper alloy or the tin alloy including 1500ppm, and, the tin less than 2500ppm, the oxygen less than 400ppm, and impurity less than 100ppm. The thermal process is not operated about the electric conductor wire. The strand is not circularly compressed.

IPC 8 full level  
**H01B 1/02** (2006.01)

CPC (source: EP KR US)  
**H01B 1/026** (2013.01 - EP US); **H01B 9/00** (2013.01 - KR); **H01B 9/003** (2013.01 - KR)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**FR 2937460 A1 20100423**; AT E515778 T1 20110715; CN 101728006 A 20100609; EP 2192596 A1 20100602; EP 2192596 B1 20110706; KR 101594530 B1 20160216; KR 20100042609 A 20100426; US 2010252301 A1 20101007; US 8552290 B2 20131008

DOCDB simple family (application)  
**FR 0857021 A 20081016**; AT 09171948 T 20091001; CN 200910205194 A 20091016; EP 09171948 A 20091001; KR 20090098795 A 20091016; US 57321209 A 20091005