

Title (en)
POWER TRANSMISSION BELT

Title (de)
KRAFTÜBERTRAGUNGSRIEMEN

Title (fr)
COURROIE DE TRANSMISSION

Publication
EP 1412657 A1 20040428 (EN)

Application
EP 02756724 A 20020726

Priority
• US 0223906 W 20020726
• US 30927601 P 20010801

Abstract (en)
[origin: US2003024230A1] The invention comprises a multi-ribbed belt having a tensile cord. The tensile cord having areas of opposite twist along a length of a single cord. In particular, a tensile cord comprises S twist sections and Z twist sections. An S twist section is separated from a Z twist section by a node, thereby creating alternate S twist and Z twist sections along a length of a tensile cord. Therefore, the inventive belt comprises a belt having a tensile cord having a random distribution of S twist sections and Z twist sections along a length of the belt as well as across a width of the belt. This significantly reduces tracking force while using only a single cord in belt construction.

IPC 1-7
F16G 1/10; **F16G 5/08**

IPC 8 full level
D02G 3/28 (2006.01); **D02G 3/44** (2006.01); **F16G 1/00** (2006.01); **F16G 1/08** (2006.01); **F16G 1/10** (2006.01); **F16G 5/08** (2006.01); **F16G 5/20** (2006.01)

CPC (source: EP KR US)
D02G 3/286 (2013.01 - EP US); **D02G 3/447** (2013.01 - EP US); **F16G 1/10** (2013.01 - EP US); **F16G 5/08** (2013.01 - EP KR US); **F16G 5/20** (2013.01 - EP US)

Citation (search report)
See references of WO 03012314A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
US 2003024230 A1 20030206; AR 034937 A1 20040324; BR 0211564 A 20050816; CA 2454379 A1 20030213; CN 1578885 A 20050209; EP 1412657 A1 20040428; JP 2004537690 A 20041216; KR 20040030877 A 20040409; MX PA04001844 A 20040615; PL 374254 A1 20051003; RU 2004105964 A 20050210; TR 200400197 T2 20070122; TW 544497 B 20030801; WO 03012314 A1 20030213

DOCDB simple family (application)
US 20575502 A 20020726; AR P020102871 A 20020730; BR 0211564 A 20020726; CA 2454379 A 20020726; CN 02815045 A 20020726; EP 02756724 A 20020726; JP 2003517468 A 20020726; KR 20047001330 A 20020726; MX PA04001844 A 20020726; PL 37425402 A 20020726; RU 2004105964 A 20020726; TR 200400197 T 20020726; TW 91116993 A 20020730; US 0223906 W 20020726