

Title (en)

Steel cords for the reinforcement of rubber articles and pneumatic tires

Title (de)

Stahlseile zur Verstärkung von Gummiartikeln sowie Luftreifen

Title (fr)

Câbles d'acier pour le renforcement des articles en caoutchouc et pneumatiques

Publication

**EP 1001074 A3 20000906 (EN)**

Application

**EP 99308899 A 19991109**

Priority

JP 32330598 A 19981113

Abstract (en)

[origin: EP1001074A2] A steel cord for the reinforcement of rubber articles is formed by twisting 4-5 strands, each strand (1) being formed by twisting a sheath (3) of 4-5 steel filaments around a core (2) of a single steel filament, wherein a ratio of diameter dS of the steel filament constituting the sheath to diameter dC of the steel filament constituting the core is within a range of 1.00 - 1.75, and a twisting direction of the sheath in the strand is the same as a twisting direction of the strand in the cord, and a twisting angle  $\alpha$  of the sheath in the strand with respect to an axis of the cord, as calculated by a certain defined equation, is within a range of 30 - 52 DEG . <IMAGE>

IPC 1-7

**D07B 1/06**

IPC 8 full level

**B60C 9/00** (2006.01); **B60C 9/18** (2006.01); **B60C 9/20** (2006.01); **D07B 1/06** (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] US 3911662 A 19751014 - FENNER JAMES M
- [A] PATENT ABSTRACTS OF JAPAN vol. 199, no. 801 30 January 1998 (1998-01-30)

Cited by

CN111511983A; US8261795B2

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**EP 1001074 A2 20000517**; **EP 1001074 A3 20000906**; **EP 1001074 B1 20030409**; ES 2196729 T3 20031216; JP 2000154483 A 20000606; JP 4097812 B2 20080611

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