

Title (en)  
Steel cord construction.

Title (de)  
Metallseilherstellung.

Title (fr)  
Construction d'un câblé métallique.

Publication  
**EP 0168857 A1 19860122 (EN)**

Application  
**EP 85200930 A 19850613**

Priority  
GB 8418509 A 19840720

Abstract (en)  
A steel cord for the reinforcement of resilient articles comprises a bundle of four wires twisted together with the same pitch, a first pair 1, 2 of said wires having a substantially similar diameter, a second pair 3, 4 of said wires each having a diameter not greater than the average diameter of the first pair 1, 2, a wire of one pair being adjacent a wire of the other pair along the circumference of the bundle, and in a stretched condition of the cord, the wires of the first pair 1, 2 are tightly twisted together so as to touch along the axis 5 while each wire of the second pair 3, 4 is at a spacing d from the circumferentially adjacent wires of the first pair.

IPC 1-7  
**D07B 1/06**

IPC 8 full level  
**B60C 9/00** (2006.01); **D07B 1/06** (2006.01)

CPC (source: EP)  
**D07B 1/062** (2013.01); **D07B 2201/2022** (2013.01); **D07B 2207/205** (2013.01)

Citation (search report)  
• [A] GB 2081765 A 19820224 - BRIDGESTONE TIRE CO LTD  
• [A] FR 2476548 A1 19810828 - UNIROYAL ENGLEBERT GMBH [DE]  
• [A] RESEARCH DISCLOSURE, no. 224, December 1982, no. 22404, Havant, Hampshire, GB: "Bi-diameter construction of steel tire cord"

Cited by  
EP0791682A1; US5321941A; US5285623A; EP0342644A3; US6321810B1; US5797257A; US6021633A; WO9104370A1; WO8805624A3; US7975463B2; US6446423B1; US6698179B2; US6829880B2; US7000374B2; US6327843B1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0168857 A1 19860122; EP 0168857 B1 19880309**; AT E32924 T1 19880315; AU 4504385 A 19860123; AU 574804 B2 19880714; BR 8503450 A 19860415; CA 1304263 C 19920630; DE 3561828 D1 19880414; ES 296143 U 19871201; ES 296143 Y 19880516; GB 8418509 D0 19840822; JP S6163792 A 19860401

DOCDB simple family (application)  
**EP 85200930 A 19850613**; AT 85200930 T 19850613; AU 4504385 A 19850716; BR 8503450 A 19850719; CA 485320 A 19850626; DE 3561828 T 19850613; ES 296143 U 19850719; GB 8418509 A 19840720; JP 15709885 A 19850718