

Title (en)  
Layered steel cord construction.

Title (de)  
Mehrlagiges Stahlseil.

Title (fr)  
Câble d'acier à plusieurs couches.

Publication  
**EP 0675223 A1 19951004 (EN)**

Application  
**EP 94200760 A 19940324**

Priority  
EP 94200760 A 19940324

Abstract (en)  
A steel cord (14) comprises a core filament (16) with a first diameter d1, four or five intermediate layer filaments (10) with a second diameter d2 and ten outer layer filaments (20) with a third diameter d3. The intermediate layer filaments (10) surround the core filament (16) and the outer layer filaments (20) surround the intermediate layer filaments (10). The first diameter is substantially smaller than the second diameter and is substantially greater than the diameter of the circle (12) inscribed in the compact figuration of the cross-sections of the intermediate layer filaments (10) in case of no core filament. Such a steel cord has a full rubber penetration. <IMAGE>

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

IPC 8 full level  
**D07B 1/06** (2006.01)

CPC (source: EP)  
**D07B 1/0633** (2013.01); **D07B 1/0653** (2013.01)

Citation (search report)  
• [X] GB 2080845 A 19820210 - DUNLOP LTD  
• [A] US 4781016 A 19881101 - SATO MICHITAKA [JP], et al  
• [A] 316107: "Steel cord construction", RESEARCH DISCLOSURE, no. 316, August 1990 (1990-08-01), EMSWORTH GB, pages 681

Cited by  
CN103298996A; CN113123149A; ES2215438A1; US6962182B2; US9315074B2; US6766841B2; WO03069055A1; WO2011131383A1; WO02053827A1; US6837289B2; US10443191B2; WO0149926A1; WO2015194893A1

Designated contracting state (EPC)  
BE

DOCDB simple family (publication)  
**EP 0675223 A1 19951004**

DOCDB simple family (application)  
**EP 94200760 A 19940324**