

Title (en)  
Steel cord with high elongation at break

Title (de)  
Stahlseil mit hoher Bruchdehnung

Title (fr)  
Câble d'acier avec allongement à la rupture élevé

Publication  
**EP 0790349 A1 19970820 (EN)**

Application  
**EP 97200163 A 19970122**

Priority  
• EP 97200163 A 19970122  
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Abstract (en)  
A steel cord (10) adapted for the reinforcement of an elastomer comprises steel filaments (12,14) of a pearlitic structure. The steel cord has a plastic and elastic elongation at break of x % and a plastic and elastic elongation capability in the vulcanized elastomer of y %, the values x and y fulfilling following equation :  $x + y \geq 100$  which means that the total elongation at break does not reduce considerably after embedding the steel cord into an elastomer. The steel core (10) has a high elongation capability which is largely independent of the structure of the steel cord. <IMAGE> <IMAGE>

IPC 1-7  
**D07B 1/06**; **D07B 5/12**

IPC 8 full level  
**D07B 1/06** (2006.01); **D07B 5/12** (2006.01)

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C-Set (source: EP)  
1. **D07B 2205/3025** + **D07B 2801/10**  
2. **D07B 2205/3089** + **D07B 2801/18**

Citation (applicant)  
• US 4408444 A 19831011 - BAILLIEVIER FREDDY [BE]  
• US 5020312 A 19910604 - WATAKABE HIDENORI [JP]  
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Citation (search report)  
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