

Title (en)  
SPRING-COILING MACHINE

Publication  
**EP 0211242 B1 19910327 (DE)**

Application  
**EP 86109100 A 19860703**

Priority  
CH 339085 A 19850808

Abstract (en)  
[origin: US4779438A] A coil spring making machine wherein the advancing rolls for the wire are driven intermittently by a transmission which receives motion from a timing shaft through the medium of a reciprocable input element and two one-way clutches so simultaneously that the rolls rotate in opposite directions (one clockwise, the other counter clockwise). The knife which severs the wire at intervals so as to separate successive coil springs is driven by the timing shaft through the medium of a chain transmission and a link which causes the knife to travel along an endless circular path and to sever the wire while the advancing rolls are at, or close to, a standstill.

IPC 1-7  
**B21F 3/02**

IPC 8 full level  
**B21F 3/02** (2006.01); **B21F 3/06** (2006.01); **B21F 11/00** (2006.01); **B21F 35/00** (2006.01)

CPC (source: EP US)  
**B21F 3/02** (2013.01 - EP US)

Citation (examination)  
Prospekte der Firma SIMPLEX RAPID

Cited by  
DE4138896A1; CN107309367A; DE4040659C1

Designated contracting state (EPC)  
DE FR GB IT

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**EP 0211242 A2 19870225; EP 0211242 A3 19890308; EP 0211242 B1 19910327**; CH 669342 A5 19890315; DE 3678354 D1 19910502; JP 2571216 B2 19970116; JP S6234638 A 19870214; US 4779438 A 19881025

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