

Title (en)  
Roller shutter crank rod

Title (de)  
Rolladenkurbelstange

Title (fr)  
Perfectionnements apportés à une manivelle de volet roulant

Publication  
**EP 0913551 B1 20030521 (FR)**

Application  
**EP 98402661 A 19981026**

Priority  
FR 9713797 A 19971103

Abstract (en)  
[origin: EP0913551A1] The crank comprises a central rod (2) connected at each end by an articulation point (3,4) to a first and second rods. The first rod is connected through a cardan knuckle joint to the rotational spindle of the roller blind shutter. The second rod serves as a gripping means for the user. One of the articulations has an opening (7) which engages a bearing (8). The bearing has a central opening, which engages the articulation spindle, having several sides for connecting the central rod to the first and second rods.

IPC 1-7  
**E06B 9/76**

IPC 8 full level  
**E06B 9/76** (2006.01)

CPC (source: EP)  
**E06B 9/76** (2013.01)

Cited by  
EP1041239A1; EP1772792A3

Designated contracting state (EPC)  
BE DE ES IT NL

DOCDB simple family (publication)  
**EP 0913551 A1 19990506; EP 0913551 B1 20030521; DE 69814790 D1 20030626; DE 69814790 T2 20031120; DE 913551 T1 19991007; ES 2130106 T1 19990701; ES 2130106 T3 20040401; FR 2770577 A1 19990507; FR 2770577 B1 20000107**

DOCDB simple family (application)  
**EP 98402661 A 19981026; DE 69814790 T 19981026; DE 98402661 T 19981026; ES 98402661 T 19981026; FR 9713797 A 19971103**