

Title (en)  
ELECTRICAL VEHICLE COUPLING

Publication  
**EP 0339348 B1 19911016 (DE)**

Application  
**EP 89106290 A 19890410**

Priority  
CH 158688 A 19880428

Abstract (en)  
[origin: EP0339348A1] In order to be able to actuate fully automatically an electrical vehicle coupling with a contact bushing (6), a drive (1) is provided which always rotates in the same direction and which both advances the contact bushing (6) (for coupling) and pulls it back (for decoupling) by means of an eccentric cam. <??>The eccentric cam comprises a disc wheel (4.1) with an eccentrically attached roller wheel (4.3) and a sliding rail (5.1) into which the rolling wheel (4.3) engages. The eccentric cam has an eccentricity of (  $\Delta x + \epsilon$  )/2,  $\Delta x$  designating a desired advance and epsilon designating a compression advance. <IMAGE>

IPC 1-7  
**B61G 5/10**

IPC 8 full level  
**B61G 5/00** (2006.01); **B61G 5/10** (2006.01)

CPC (source: EP US)  
**B61G 5/10** (2013.01 - EP US); **Y10T 74/18256** (2015.01 - EP US)

Cited by  
FR2764573A1; DE4405442C1; DE102016210278A1; DE4013521A1; FR2661383A1; BE1004722A3; AT401376B; DE4013493A1; FR2661382A1; BE1004723A3; AT401375B; CN109436011A; DE102022118360A1; WO2024017640A1

Designated contracting state (EPC)  
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**EP 0339348 A1 19891102; EP 0339348 B1 19911016**; AT E68426 T1 19911115; AU 3387489 A 19891102; AU 615538 B2 19911003; CS 262689 A3 19920415; CZ 277855 B6 19930616; DE 58900370 D1 19911121; ES 2026709 T3 19920501; JP H01314663 A 19891219; RU 2003536 C1 19931130; SK 278522 B6 19970806; US 4953726 A 19900904

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