

Title (en)  
ARTICULATED ARM FOR AN AWNING

Title (de)  
GELENKARM FÜR EINE MARKISE

Title (fr)  
BRAS ARTICULE POUR STORE EN TOILE A ROULEAU

Publication  
**EP 1141500 A1 20011010 (DE)**

Application  
**EP 99973546 A 19991104**

Priority  
• DE 19859731 A 19981223  
• EP 9908436 W 19991104

Abstract (en)  
[origin: US2002069976A1] An articulated arm for an awning such as for a patio or deck including at least first and second arm parts joined by an articulation. Longitudinal axes of the arm parts are orthogonal to the articulation axis. The articulated arm also includes at least two springs arranged adjacent each other and first ends of the springs are fixed to the first arm part. At least two traction elements are also and are individually connected to second ends of the springs. The traction elements are led via the articulation to the second arm part and are fixed thereto. The traction elements are wire cables which include a plastic coat in at least a region adjacent the articulation.

IPC 1-7  
**E04F 10/06**

IPC 8 full level  
**E04F 10/06** (2006.01)

CPC (source: EP US)  
**E04F 10/0618** (2013.01 - EP US); **E04F 10/0651** (2013.01 - EP US); **E04F 10/0674** (2013.01 - EP US)

Citation (search report)  
See references of WO 0039419A1

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**US 2002069976 A1 20020613; US 6557612 B2 20030506**; AT E294301 T1 20050515; AU 1379000 A 20000731; DE 19859731 A1 20000706; DE 59911993 D1 20050602; EP 1141500 A1 20011010; EP 1141500 B1 20050427; ES 2241375 T3 20051016; PT 1141500 E 20050630; WO 0039419 A1 20000706

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**US 88731101 A 20010622**; AT 99973546 T 19991104; AU 1379000 A 19991104; DE 19859731 A 19981223; DE 59911993 T 19991104; EP 9908436 W 19991104; EP 99973546 A 19991104; ES 99973546 T 19991104; PT 99973546 T 19991104