

Title (en)

Adjustable support stand with automated deployment

Title (de)

Regulierbare Stütze zur automatischen Auseinanderfaltung

Title (fr)

Béquille à réglage de déploiement automatisé

Publication

EP 2281541 B1 20150225 (FR)

Application

EP 10171573 A 20100802

Priority

BE 200900466 A 20090804

Abstract (en)

[origin: EP2281541A1] The stand (1) has tubes, a foot (5) expanded and retracted relative to a main body (2), and an actuator including a brushless motor (6) with an output shaft (9). The actuator has an irreversible endless screw transmission for converting rotation of the shaft into linear displacement of the foot relative to the body and having a nut (14). The actuator has a programmable electronic control module (8) for controlling the motor and connected to the motor to control expansion and retraction of the stand to a preprogrammable length and to stop the motor when the length is attained. The nut is made of synthetic material i.e. polyacetal. An independent claim is also included for a method for utilizing a variable length support stand.

IPC 8 full level

A61H 3/02 (2006.01)

CPC (source: EP)

A61H 3/02 (2013.01); **A61H 2003/0272** (2013.01); **A61H 2201/0161** (2013.01); **A61H 2201/0176** (2013.01); **A61H 2201/5038** (2013.01); **A61H 2201/5048** (2013.01)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2281541 A1 20110209; EP 2281541 B1 20150225; BE 1018848 A3 20111004; DK 2281541 T3 20150601; ES 2537430 T3 20150608; PL 2281541 T3 20150831; PT 2281541 E 20150624

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