

Title (en)

APPARATUS AND METHOD FOR LOW COST CONTROL OF SHAPE MEMORY ALLOY ACTUATORS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KOSTENGÜNSTIGEN STEUERUNG VON GEDÄCHTNISMETALLLEGIERUNGSSTELLGLIEDERN

Title (fr)

APPAREIL ET PROCEDE POUR COMMANDE A PRIX MODIQUE DES ACTIONNEURS EN ALLIAGE A MEMOIRE DE FORME

Publication

EP 1676030 A4 20070124 (EN)

Application

EP 04782960 A 20040903

Priority

- US 2004028570 W 20040903
- US 50057603 P 20030905
- US 50612703 P 20030925

Abstract (en)

[origin: WO2005026539A2] A method of controlling a shape memory alloy actuator includes applying power to a shape memory alloy actuator. A measured actuation parameter is obtained from the shape memory alloy actuator. An operational characteristic parameter is derived based upon the power and the measured actuation parameter. An actuation state parameter is identified from the operational characteristic parameter. The actuation state parameter is used to modify the control of the shape memory alloy actuator.

IPC 8 full level

C22C 1/00 (2006.01); **C22F 1/00** (2006.01); **F03G 4/00** (2006.01); **F03G 7/06** (2006.01)

IPC 8 main group level

F03G (2006.01)

CPC (source: EP US)

C22C 1/00 (2013.01 - EP US); **C22F 1/00** (2013.01 - EP US); **C22F 1/006** (2013.01 - EP US); **F03G 7/065** (2021.08 - EP US)

Citation (search report)

- [X] US 4930494 A 19900605 - TAKEHANA SAKAE [JP], et al
- [X] US 6574958 B1 20030610 - MACGREGOR RODERICK [US]
- [X] US 2001025477 A1 20011004 - HARA YOSHIHIRO [JP], et al
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- [A] US 5921083 A 19990713 - BROTZ GREGORY R [US]
- See references of WO 2005026539A2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

WO 2005026539 A2 20050324; **WO 2005026539 A3 20060824**; EP 1676030 A2 20060705; EP 1676030 A4 20070124; US 2006048511 A1 20060309

DOCDB simple family (application)

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