

Title (en)
Electrostatically activated gating mechanism.

Title (de)
Elektrostatisch aktivierte Schaltvorrichtung.

Title (fr)
Mécanisme de commande activé électrostatiquement.

Publication
EP 0299642 A1 19890118 (EN)

Application
EP 88305850 A 19880628

Priority
US 7426187 A 19870716

Abstract (en)
An electromechanical gating mechanism (10) comprises an electrical energy generating system for generating electrical energy in response to and utilizing energy derived from mechanical motion consciously generated by an intelligent agency. An electronic decision making apparatus (24) is solely powered by the electrical energy generated by the electrical energy generating device. The decision making apparatus (24), which may include a non-volatile memory, is adapted to receive information, to make one of a set of possible decisions based on the information and on its logic and/or data in its memory and to generate a specific low power electrical output in response to a selected one of the set of possible decisions being made. A mechanical gate (28) has at least two positions. An electrical to mechanical energy conversion device (27) serves for converting electrostatically the low power electrical output into a minute mechanical force/movement and for applying the minute mechanical force/movement to position the gate in a selected one of its positions.

IPC 1-7
E05B 47/00

IPC 8 full level
E05B 49/00 (2006.01); **E05B 47/00** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)
G07C 9/00658 (2013.01); **E05B 2047/0062** (2013.01)

Citation (search report)

- WO 8002710 A1 19801211 - THELIN HANDEL ID SELECT [SE], et al
- US 4433355 A 19840221 - CHEW IVAN [GB], et al
- DE 2324392 A1 19741205 - RECOGNITION DEVICES

Cited by
EP0701036A4; ES2080638A1; DE102005022930A1; CN114459440A; DE19823668A1; ES2080639A1; DE19519789A1; DE19519789B4; DE4000643A1; DE4000643B4; WO2007060131A3; WO9318257A1; WO2023079582A1

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