

Title (en)  
Anti-bedsore mattress

Title (de)  
Antidekubitus-Matratze

Title (fr)  
Matelas anti-escarres

Publication  
**EP 1961405 A1 20080827 (EN)**

Application  
**EP 07380049 A 20070222**

Priority  
EP 07380049 A 20070222

Abstract (en)  
The present invention relates to an anti-bedsore mattress. The position of the different body support areas are adjusted by means of the use of magnetorheological fluids in mattresses as a result of the variation occurring in the viscosity of this type of fluids due to the selective application of a magnetic field. According to the invention, the mattress has actuation units (4) through which a magnetorheological fluid flows, such units integrating a magnetic field generating element (8) that may act on the magnetorheological fluid, modifying its viscosity and accordingly the pressure that the actuation unit (4) exerts on the user support section.

IPC 8 full level  
**A61G 7/057** (2006.01)

CPC (source: EP)  
**A61G 7/0573** (2013.01)

Citation (search report)  
• [X] US 2006174895 A1 20060810 - FERGUSON JOE W [US], et al  
• [Y] US 7069610 B1 20060704 - CHAI CHANG-WEI [TW]  
• [Y] JP S63140141 A 19880611 - TOYOTA MOTOR CORP  
• [A] US 2006226289 A1 20061012 - ROBBINS JODY G [US], et al

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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