

Title (en)
Adjustable reclining or sitting unit.

Title (de)
Verstellbare Liege- oder Sitzeinrichtung.

Title (fr)
Siège ajustable et inclinable.

Publication
EP 0334417 A1 19890927 (EN)

Application
EP 89200590 A 19890308

Priority
NL 8800759 A 19880325

Abstract (en)
Reclining or sitting unit such as a bed, having a frame (1) with an adjustable head (2) and an adjustable foot (3), each provided with an adjustment device comprising a lever (16, 7), which is pivotably secured to the frame (1) and engages with one end the head or foot respectively and with the other end cooperates with a lockable gas spring (6, 10). Said unit having an energy-buffer (14, 19) into which energy can be fed and accumulated by moving the head, which accumulated energy supports the adjustment device of the foot. Said energy-buffer can be a spring (14), with or without a lostmotion-connection (15), which spring by means of a reversing gear (11, 12) acts on the foot lever (7) or by switching past its pivot point acts like a flip-flop. The energy-buffer can also be formed by a pneumatic connection between the two gas springs (6, 10).

IPC 1-7
A47C 20/04

IPC 8 full level
A47C 20/04 (2006.01)

CPC (source: EP)
A47C 20/048 (2013.01)

Citation (search report)
• [A] US 4589151 A 19860520 - BEHRENS ROBERT S [US]
• [A] US 3916461 A 19751104 - KERSTHOLT FRITZ

Cited by
AT401464B; FR2780256A1; AU679232B2; FR2713459A1

Designated contracting state (EPC)
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EP 89200590 A 19890308; DK 144489 A 19890322; NL 8800759 A 19880325; PT 9008689 A 19890322