

Title (en)
Bed apparatus

Title (de)
Bettvorrichtung

Title (fr)
Dispositif de lit

Publication
EP 0813853 A2 19971229 (EN)

Application
EP 96120729 A 19961221

Priority
JP 16205296 A 19960621

Abstract (en)
A bed apparatus has a support frame (25) and a rotation frame (32) having a one-end side and other-end side supported on the rotation frame (32) in a width direction so that one of these end sides each serving as a fulcrum is rotatably supported. The rotation frame (32) is rotationally driven by a rotation link mechanism (40A) which is driven by a first drive source (37). A bed plate structure (61) is provided on the rotation frame (32) and comprises a middle bed plate assembly (62) and a pair of side bed plate assemblies (64) provided one at each side of the middle bed plate assembly (62) and connected to be rotatable only in an upward direction. The bed plate structure (61) is driven by raising/lowering drive means (71) having a second drive source (73) to allow it to be raised and lowered. The first drive source (37) and second drive source (73) are inhibited by mutual drive inhibiting circuits (105, 106) from being mutually driven. Before the rotation driving of the bed plate structure (61) by the first drive source (37), the second drive source (73) is driven by the preferential return circuit (108) to allow the bed plate structure (61) to be returned back to a not-raised flat state. <IMAGE>

IPC 1-7
A61G 7/002

IPC 8 full level
A47C 17/04 (2006.01); **A47C 20/04** (2006.01); **A61G 7/00** (2006.01); **A61G 7/002** (2006.01); **A61G 7/008** (2006.01); **A61G 7/012** (2006.01); **A61G 7/015** (2006.01)

CPC (source: EP)
A61G 7/001 (2013.01); **A61G 7/002** (2013.01); **A61G 7/008** (2013.01); **A61G 7/012** (2013.01); **A61G 7/015** (2013.01)

Cited by
CN106137623A; CN111166582A; EP1346666A1; EP1346667A1; CN108524147A; ES2200663A1; EP1346669A1; CN1302758C; EP1346668A1; EP0951892A3; EP0965320A3; CN113599152A

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 0813853 A2 19971229; **EP 0813853 A3 19980513**; **EP 0813853 B1 20020529**; DE 69621432 D1 20020704; DE 69621432 T2 20030130; JP 3362097 B2 20030107; JP H105286 A 19980113

DOCDB simple family (application)
EP 96120729 A 19961221; DE 69621432 T 19961221; JP 16205296 A 19960621