

Title (en)
Bed rail assembly

Title (de)
Bettgeländer

Title (fr)
Barrière de lit

Publication
EP 1593324 B1 20070124 (EN)

Application
EP 04076342 A 20040504

Priority
EP 04076342 A 20040504

Abstract (en)
[origin: EP1593324A1] A bed rail assembly includes a joint device (1), a pair of corner members (3), a T-shaped male connector (5), a T-shaped female connector (6), and a pair of knuckle devices (10), which form a three-dimension rail assembly. The corner members (3) are connected to the vertical tubes (4) by V-shaped connection plates (41) such that they can be easily assembled/disassembled. The male/female connectors (5,6) are connected to support tubes (8,9) by a sleeve (7) and a V-shaped connection plate (81). Each knuckle device (10) includes a movable member movably connected to a base of the knuckle device so that a user may easily assemble/disassemble the device. A Y-shaped belt (13) and an L-shaped retention member board are used to secure the bed rail assembly to a mattress. <IMAGE>

IPC 8 full level
A47C 21/08 (2006.01); **A47D 15/00** (2006.01)

CPC (source: EP)
A47C 21/08 (2013.01); **A47D 13/063** (2013.01); **A47D 15/008** (2013.01); **A61G 7/0507** (2013.01); **A61G 7/051** (2016.10); **A61G 7/0518** (2016.10)

Cited by
CN106724352A; SG153691A1; CN112869982A; EP2070448A1; CN107232861A; EP4069040A4; EP4069039A4; US8296882B1

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

DOCDB simple family (publication)
EP 1593324 A1 20051109; EP 1593324 B1 20070124; AT E352233 T1 20070215; DE 602004004510 D1 20070315;
DE 602004004510 T2 20071108; DK 1593324 T3 20070529; ES 2281749 T3 20071001; PL 1593324 T3 20070831

DOCDB simple family (application)
EP 04076342 A 20040504; AT 04076342 T 20040504; DE 602004004510 T 20040504; DK 04076342 T 20040504; ES 04076342 T 20040504;
PL 04076342 T 20040504