

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

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