

Title (en)
Bed safety rail

Title (de)
Bettsicherheitsschiene

Title (fr)
Rail de sécurité de lit

Publication
EP 2322129 A3 20121205 (EN)

Application
EP 10189755 A 20101103

Priority
FI 20096189 A 20091117

Abstract (en)
[origin: EP2322129A2] The invention relates to a bed, especially hospital bed safety rail (2), which is attached to a lengthwise (A-A) side of a bed (1). The safety rail comprises two end supports (3, 4) disposed at a distance from each other, and at least one rail section (5; 51, 52, 53, 54) disposed between the end supports (3, 4) substantially in a longitudinal direction of the bed. The end supports (3, 4) are mounted pivotally in engagement with the bed, such that the end supports are rotatable from a position inclined in the longitudinal direction of the bed to an upright position as the safety rail (2) is raised from a bottom position (B) to a top position (C), and respectively rotatable in an opposite direction as the safety rail is lowered from the top position to the bottom position. Thereby, the rail section (5; 51, 52, 53, 54) being retains, despite the rotating motion, its substantially horizontal orientation. According to the invention, the safety rail (2) further comprises a gas spring (6) disposed between the rail section (5; 51) and the end support (3).

IPC 8 full level
A61G 7/05 (2006.01)

CPC (source: EP FI)
A47C 21/08 (2013.01 - FI); **A61G 7/0507** (2013.01 - EP FI); **A61G 7/0509** (2016.10 - EP FI)

Citation (search report)
• [I] US 2009070928 A1 20090319 - HUANG CHI-TZUNG [TW]
• [A] WO 0042884 A1 20000727 - HILL ROM CO INC [US]

Cited by
KR101449281B1; CN109771178A; CN112401558A; CN112587336A; DE102014115552B4; AU2015341056B2; CN112603681A; WO2016066318A1; WO2024218805A1; US10507151B2; US11504289B2; US11992446B2; US11622897B2; US11806294B2; US12048660B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2322129 A2 20110518; EP 2322129 A3 20121205; EP 2322129 B1 20141224; DK 2322129 T3 20150323; FI 20096189 A0 20091117; FI 20096189 A 20110518; PL 2322129 T3 20150529; RU 2010146262 A 20120520; RU 2500378 C2 20131210

DOCDB simple family (application)
EP 10189755 A 20101103; DK 10189755 T 20101103; FI 20096189 A 20091117; PL 10189755 T 20101103; RU 2010146262 A 20101113