

Title (en)  
RESTING FURNITURE

Publication  
**EP 0030211 A3 19811104 (DE)**

Application  
**EP 80810358 A 19801120**

Priority  
• CH 1059079 A 19791128  
• CH 1059179 A 19791128

Abstract (en)  
[origin: US4403357A] The frame of an article of reclining furniture supports an under-mattress which comprises a back member, a thigh member and a foot member. The back member is mounted for pivotal movement about an axis in such a manner that upon pivotal displacement the inner end portion thereof is moved under the pivot axis and forms a sitting depression. An intermediate member is freely inserted between the back member and the thigh member. This intermediate member is suspended at the adjacent ends of the back member and the thigh member by joints. Therefore, together with the back member and the thigh member, which is movable with the foot member longitudinally of the article, the intermediate member forms a system of joints which responds to magnitude and point of attack of the load and compensates for anatomical differences and permits the occupant any desired change of his sitting position. Depending upon whether the person changes his position forwards or backwards, the intermediate member will be flush with the back member or the thigh member and thereby ensure always a correct support of the entire spine. The movable connection of the intermediate member with the adjacent ends of the back member and the thigh member is effected preferably by an elastic joint whose two limbs of which include teeth, so that in its closed position the joint may absorb without difficulty even vertical continuous loads.

IPC 1-7  
**A47C 20/08**

IPC 8 full level  
**A47C 17/04** (2006.01); **A47C 20/04** (2006.01); **A47C 20/08** (2006.01); **A61G 7/015** (2006.01)

CPC (source: EP US)  
**A47C 17/04** (2013.01 - EP US); **A47C 20/041** (2013.01 - EP US); **A47C 20/08** (2013.01 - EP US); **A61G 7/015** (2013.01 - EP US);  
**A61G 2203/74** (2013.01 - EP US)

Citation (search report)  
• GB 409463 A 19340503 - ERNEST VAUGHAN  
• FR 1469152 A 19670210 - JEAN PANKERT SA ETS  
• GB 609442 A 19480930 - LESLIE HAYWOOD HOUNSFIELD  
• DE 2253360 A1 19740509 - HAPPICH GMBH GEBR

Cited by  
CN110719766A; WO9517839A3

Designated contracting state (EPC)  
BE DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**US 4403357 A 19830913**; AT 385888 B 19880525; AT A26180 A 19871115; CA 1155605 A 19831025; CH 642832 A5 19840515;  
CH 643722 A5 19840629; DE 8030521 U1 19810423; EP 0030211 A2 19810610; EP 0030211 A3 19811104; ES 253965 U 19810216;  
ES 253965 Y 19810816

DOCDB simple family (application)  
**US 20784380 A 19801118**; AT 26180 A 19800118; CA 364211 A 19801107; CH 1059079 A 19791128; CH 1059179 A 19791128;  
DE 8030521 U 19801114; EP 80810358 A 19801120; ES 253965 U 19801029