

Title (en)
Undermattress.

Title (de)
Untermatratze.

Title (fr)
Sommier.

Publication
EP 0445325 B1 19940608 (DE)

Application
EP 90104294 A 19900306

Priority
• EP 90104294 A 19900306
• DE 9002597 U 19900306

Abstract (en)
[origin: EP0445325A1] The undermattress according to the invention comprises a frame over which are stretched slat-like support members (2), arranged in the manner of a grid, and resiliently supported in the region of their axial ends, at side rails (3, 4) of the frame, on supporting wires or supporting belts (14), via push-rods (5) which are movable substantially perpendicularly to the plane of the frame. The load acting on the individual push-rods is in turn transferred, via rocking levers (13) which are supported on an abutment surface at the side rail of the frame, to the supporting wire or the supporting belt, so that a precisely defined counter-force is produced as a function of the depth of penetration of the push-rods into the frame. In this arrangement, the rocking levers are preferably in the shape of a Cornu spiral. <IMAGE>

IPC 1-7
A47C 23/06; A47C 31/12

IPC 8 full level
A47C 23/06 (2006.01)

CPC (source: EP)
A47C 23/066 (2013.01)

Cited by
DE102004016048A1; US7971296B2; CH684779A5; US7386901B2; WO2005104903A1; US7484257B2

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0445325 A1 19910911; EP 0445325 B1 19940608; AT E106686 T1 19940615; DE 59006056 D1 19940714; DE 9002597 U1 19900531

DOCDB simple family (application)
EP 90104294 A 19900306; AT 90104294 T 19900306; DE 59006056 T 19900306; DE 9002597 U 19900306