Title (en)
INNERSPRING UNIT AND METHOD OF FORMING SAME

Title (de)
BAUTEIL MIT INNER ANGEORDNETER FEDER UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
UNITE A RESSORTS INTERNES ET SON PROCEDE DE FABRICATION

Publication
EP 0742751 A4 19970502 (EN)

Application
EP 95910917 A 19950203

Priority
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- US 9501442 W 19950203
- US 21300294 A 19940315

Abstract (en)
[origin: WO9521048A1] A method for forming a foamed innerspring unit is provided including releasably securing a plurality of coils (20) to a jig (22), delivering a foamable reaction mixture (26) to a tray (10 or 10") and positioning the jig so that the ends of the coils extending away from the jig are spaced from the bottom of the tray so that the rising foam embeds the end of the coil. The process is repeated by releasing the foamed layer embedding one end of the coils, releasably holding the first foamed layer with the ends thereof spaced from a tray having said foamable reaction mixture therein so that the second end of the coils is embedded in a second foam layer. A mattress formed of a plurality of innerspring unit sections formed in accordance with the foregoing may be combined with in a cover to define a mattress. By selecting the firmness of the coils of adjacent sections, regions of differing firmness can be provided in the mattress.

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B29C 44/12; A47C 27/20

IPC 8 full level
A47C 27/05 (2006.01)

CPC (source: EP)
A47C 27/05 (2013.01); **A47C 27/053** (2013.01)

Citation (search report)
- [YA] WO 9010405 A1 19900920 - SIEGEL EDMOND [US], et al
- [Y] DE 2304985 A1 19740808 - HUKLA WERKE GMBH MATRAZEN UND
- [A] US 4213214 A 19800722 - GILHOOLY JAMES E [US]

Cited by
US7805790B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9521048 A1 19950810; AT E238895 T1 20030515; AU 1870595 A 19950821; DE 69530575 D1 20030605; DE 69530575 T2 20040729; EP 0742751 A1 19961120; EP 0742751 A4 19970502; EP 0742751 B1 20030502; ES 2197195 T3 20040101

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