

Title (en)

Method for making spring mattresses comprising a spring core provided with a borderframe on its lower and upper side.

Title (de)

Verfahren zur Herstellung von Federmatratzen, wobei ein Federkern vorgesehen ist, der an der Ober- und Unterseite jeweils mit einem Rahmen versehen wird.

Title (fr)

Procédé de fabrication d'un matelas à ressorts comprenant un noyau à ressorts pourvu d'un cadre à sa partie supérieure et inférieure.

Publication

**EP 0482674 B1 19940831**

Application

**EP 91121406 A 19880907**

Priority

- EP 88202057 A 19880907
- GR 870101408 A 19870909

Abstract (en)

[origin: WO8902323A2] An automatic frame bending machine is disclosed for bending off rod steel or steel bands, and a process and device for producing spring mattresses. The purpose of the invention is to design a frame bending machine with which frames of the most diverse types can be automatically produced without risk of material losses or of deforming the frames. The frame bending machine should also be easy to integrate in an assembly line. For this purpose, a spool is provided, after which the steel passes through a wire straightener composed of a rotor and rollers, measurement and traction rollers linked to the bending device, cutting means and a centering metal sheet. Hydraulic motors controlled by a microprocessor from a control panel are provided for driving and bending.

IPC 1-7

**B21F 23/02**; **B21F 33/02**

IPC 8 full level

**B21D 7/024** (2006.01); **B21D 7/022** (2006.01); **B21F 1/00** (2006.01); **B21F 33/02** (2006.01); **B23P 19/04** (2006.01)

CPC (source: EP US)

**B21D 7/022** (2013.01 - EP US); **B21F 1/00** (2013.01 - EP US); **B21F 33/02** (2013.01 - EP US); **B21F 33/025** (2013.01 - EP US); **Y10T 29/48** (2015.01 - EP US); **Y10T 29/481** (2015.01 - EP US); **Y10T 29/53313** (2015.01 - EP US); **Y10T 29/53383** (2015.01 - EP US)

Cited by

CN110871251A

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0307062 A2 19890315**; **EP 0307062 A3 19890920**; CA 1332805 C 19941101; DE 3851342 D1 19941006; EP 0343199 A1 19891129; EP 0482674 A2 19920429; EP 0482674 A3 19920603; EP 0482674 B1 19940831; GR 871408 B 19870917; JP H02501205 A 19900426; JP H0669593 B2 19940907; MX 170669 B 19930803; US 5054178 A 19911008; WO 8902323 A2 19890323; WO 8902323 A3 19890518

DOCDB simple family (application)

**EP 88202057 A 19880907**; CA 576225 A 19880831; DE 3851342 T 19880907; EP 8800811 W 19880907; EP 88908188 A 19880907; EP 91121406 A 19880907; GR 870101408 A 19870909; JP 50757688 A 19880907; MX 1296288 A 19880908; US 35974889 A 19890508