

Title (en)

Apparatus for use in making spring units.

Title (de)

Vorrichtung für die Herstellung von Federelementen.

Title (fr)

Dispositif pour la fabrication des treillis à ressorts.

Publication

EP 0248661 A1 19871209 (EN)

Application

EP 87304934 A 19870603

Priority

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- GB 8613558 A 19860604

Abstract (en)

A known kind of spring unit, for use in mattresses etc., is made as an assembly of spring bands (7,8,9) which are disposed side by side and linked together by transverse helical wires (6A,6B). Each spring band comprises a length of wire bent to form a row of springs (1). An integral connector (2) interconnects each pair of adjacent springs. In a known form of apparatus for assembling a spring unit, spring bands are fed intermittently past a linking station (13) where locating jaws (10,11) engage portions (3) of the bands and drive means (14) is operative to cause two parallel helical wires to travel axially across the band while rotating, to link those portions together. The invention provides such apparatus in which there is a trimming station downstream of the linking station. Here, end portions of the helical wires are trimmed off, and the trimmed ends are bent back, by combined trimming and bending devices (21 to 24).

IPC 1-7

B21F 27/16

IPC 8 full level

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CPC (source: EP)

B21F 33/04 (2013.01)

Citation (search report)

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