

Title (en)

Method and Machine for Production of Three-Dimensional Stirrups

Title (de)

Verfahren und Maschine zur Herstellung von dreidimensionalen Bügeln

Title (fr)

Procédé et machine pour la production d'étriers tridimensionnels

Publication

**EP 1852195 B1 20100818 (EN)**

Application

**EP 07106878 A 20070424**

Priority

GR 20060100262 A 20060504

Abstract (en)

[origin: US2007256466A1] Machines and processes for production of three-dimensional stirrups ( 1 a) with two converging legs ( 4,5 ), from rods, wire or other material of any cross-section. A planar stirrup ( 9 ) with parallel legs is either produced with the aid of a bending head ( 19 ) by making two bending operations, or is furnished in prepared, precut form and is restrained, for example by a grip or jaw ( 26 ). Afterwards, utilizing a stirrup-leg adjustment mechanism ( 25 ) located immediately following this bending head ( 19 ), which mechanism ( 25 ) includes an arm ( 16 ) that may move in reciprocation with the aid of a suitable mechanism ( 18 ) and has a hook ( 17 ) at its end, the free leg ( 5 ) of the planar stirrup ( 9 ) is trapped by the hook ( 17 ). This trapped free leg ( 5 ) is moved towards the opposite leg ( 4 ) as arm ( 16 ) reciprocates, covering an appropriate distance. Finally, the third dimension is generated by bending simultaneously at locations ( 12, 13 ) with a suitable bending mechanism ( 22 ) that is located after the stirrup-leg adjustment mechanism ( 25 ).

IPC 8 full level

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CPC (source: EP GR US)

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