

Title (en)

Four-for-one twisting spindle for twisting machines or similar

Title (de)

Vierfachdraht-Zwirnspindel für Zwirnmaschinen oder ähnliche Vorrichtungen

Title (fr)

Broche à retordre à quadruple torsion pour des métiers à retordre ou similaires

Publication

EP 1726693 A2 20061129 (EN)

Application

EP 06113656 A 20060509

Priority

IT MI20050974 A 20050526

Abstract (en)

The invention relates to a four-for-one twisting spindle for twisting machines of textile yarns, comprising a cylindrical basket (2), inside which a feeding bobbin (1) is supported, an upper rotating part (3) and a lower rotating part (4) which rotate in opposite directions to each other and define a first passage (6) and a second passage (9) of the yarn, respectively, along the run of the yarn, one of said upper rotating part (3) or said lower rotating part (4) being operated by external means for the transmission of the motion and transmitting the motion to the other rotating part through an epicycloidal transmission mechanism, wherein the planetary elements (16, 34) are arranged so as to form two crowns and transmit forces which are exerted between the components of said epicycloidal transmission device, along oblique force lines allowing the weight of the spindle to be transmitted from said upper rotating part (3) to said lower rotating part (4).

IPC 8 full level

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CPC (source: EP US)

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