

Title (en)  
Module with adapter for various bars

Title (de)  
Modul mit Adapter für unterschiedliche Barren

Title (fr)  
Module avec adaptateur pour différentes barres

Publication  
**EP 1063336 A3 20011024 (DE)**

Application  
**EP 00106096 A 20000330**

Priority  
DE 19928885 A 19990624

Abstract (en)  
[origin: EP1063336A2] The module (2) for a bar at a textile machine, and especially a tufting module, has a base body (3) to fit the module (2) to different bars (1) of different textile machines. It has a mounting (11) to fit with an exchangeable adapter (12), to align the base body (3) at the bar (1). The adapter (12) has alignment units (22,23) for the positioning of the module base body (3) and alignment units (25,26) to align the adapter (12) at the bar (1). The adapter (12) and the module (2) each have at least one opening to align them together with a pin through the openings. The length of the positioning pin is longer than the thickness of the adapter (12) and, when in place, gives a grip hold for the base body (3) and the adapter (12) and the bar (1). The adapter (12) and the bar (1) each have at least one opening to hold a positioning component. The mounting (11) and the adapter (12) are locked together in a positive fit, by fusing their materials and/or in a friction fit. The mounting (11) forms a pocket, for the insertion of the adapter (12), with openings or projections to align and hold the adapter (12) in place. The base body (3) has a laying surface, with the pocket through it to form the mounting (11). The adapter (12) takes up generally the whole laying surface of the base body (3). The base body (3) has sections where the adapter (12) can grip around or through. The base body (3) has at least one mounting opening (19), which pref. passes through the mounting (11). The adapter (12) has an asymmetric shape, so that it can be combined with the base body (3) in only one position. The adapter (12) sets the location of the module (2) at the bar (1) independently of an adjacent module (2). The adapter gives a holding force action between the bar (1) and the module (2), and an opening at the adapter gives a connection between it and the bar (1). The adapter is locked to the base body (3) in a positive fit through a cut-back groove and a matching bar. The module (2) can carry a number of adapters (12) at the mounting (11) which are each specific to a bar (1) or several bars.

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IPC 8 full level  
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CPC (source: EP US)  
**D05C 15/20** (2013.01 - EP US)

Citation (search report)

- [DA] DE 29520281 U1 19960314 - ZIMMERMANN JOS GMBH & CO KG [DE]
- [DA] DE 4406412 C1 19950427 - ZIMMERMANN JOS GMBH & CO KG [DE], et al
- [A] US 4637329 A 19870120 - CZELUSNIAK JR PAUL A [US]

Cited by  
EP3241934A1; CN109072509A; WO2017191002A1

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