

Title (en)  
Needle board for a needle machine

Title (de)  
Nadelbrett für eine Nadelmaschine

Title (fr)  
Planche à aiguilles pour une aiguilleteuse

Publication  
**EP 2138616 B1 20111019 (DE)**

Application  
**EP 08011414 A 20080624**

Priority  
EP 08011414 A 20080624

Abstract (en)  
[origin: EP2138616A1] The needle board (6) comprises a base plate (16), needles (8) arranged in the area of the base plate in a predetermined pattern, where tips of the needles protrude from the base plate, and needle modules (20), of which each has a plastic carrier plate (22), which is equipped with one of the needles and is inserted into a reception (18) of the base plate. The receptions are formed as slits in the base plate. The needles have a rough needle shank, and forged or angular heads, and are unevenly arranged in the needle module. The carrier plates have a protruding edge section. The needle board (6) comprises a base plate (16), needles (8) arranged in the area of the base plate in a predetermined pattern, where tips of the needles protrude from the base plate, and needle modules (20), of which each has a plastic carrier plate (22), which is equipped with one of the needles and is inserted into a reception (18) of the base plate. The receptions are formed as slits in the base plate. The needles have a rough needle shank, and forged or angular heads, and are unevenly arranged in the needle module. The carrier plates have a protruding edge section, which lies on a recess in a wall area of the corresponding reception in the base plate. The edge section and the recess are formed in a rotating manner. The carrier plates are cast or injected onto the needles. Each needle module has a row of needles. The individual needle modules are arranged in groups in the base plate, and are displaceably arranged to each other. An independent claim is included for a method for producing a needle board for a needle machine.

IPC 8 full level  
**D04H 18/00** (2012.01)

CPC (source: EP US)  
**D04H 18/00** (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Cited by  
EP3000923A1; EP3165659A1; CN107012593A; EP3165660A1; EP3744889A1; CN112011899A; US10100448B2; US9994983B2; US11208746B2; DE202014011288U1; EP2918719A1

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