

Title (en)
MACHINE FOR THE PREPARATION OF TEXTURED TEXTILE PILE NEEDLE FELTS

Publication
EP 0183952 B1 19890111 (DE)

Application
EP 85113187 A 19851017

Priority
DE 3444763 A 19841207

Abstract (en)
[origin: US4651393A] Unit for the production of structured textile velour needle-bonded fabric webs from a pre-needle fleece of staple fibers, consisting of a fleece laying apparatus, a pre-needling machine and a velour needling machine, wherein at least the velour needling machine (15) is equipped with a brush belt (21) carrying the fleece to be needled and serving as needle stitch base, said belt being made up of numerous brush plates (24) carrying bristle clusters (25), the outer edges (26) of said plates (24) being of a zig-zag design formed in such a way that the edges (26) of respectively adjacent lying brush plates (24) interlock in such a way that the bristle clusters (25) along the outer edges are spaced at the same distance towards each other as those in the inner area of the brush plates (24), the bristles of the bristle clusters (24) are trimmed on their free ends in a conical or wedge-shaped manner, the holding down plate lies on the fiber fleece web and is pressed down onto it and crown needles (23) are used for the three-dimensional structuring of the pre-needled fiber fleece.

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D04H 18/00

IPC 8 full level
D04H 11/00 (2006.01); **D04H 18/00** (2012.01)

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

Cited by
FR2844531A1; DE102009057902A1; FR2857677A1; EP0530487A1; US5390399A; EP1132511A3; DE4022237A1; FR2651255A1; US5058249A; FR3124199A1; DE4301572A1; FR2700557A1; DE4301572C2; FR2657093A1; US5117541A; DE4041558C2; WO2009147051A1; EP3536841A1; DE102018104907A1; US11168418B2; EP4174227A1; FR3128722A1

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