

Title (en)

Method and device for reducing noise generated during operation of needling machine for production of nonwoven fabrics

Title (de)

Verfahren und Vorrichtung zur Verringerung des Geräusches, das während des Betriebs einer Nadelmaschine zur Herstellung von Vliesstoffen entsteht

Title (fr)

Procédé et dispositif pour réduire le bruit généré durant le fonctionnement d'une aiguilleuse pour la production de tissus non tissés

Publication

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Application

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Priority

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Abstract (en)

The invention relates to method of operation of the needling device (2) for production of nonwoven fabrics (11), whose needle board (23) moves in an enclosed space in periodic straight-lined reversible motion of a high frequency with respect to the surface of the processed web (1) and to the surface of the stripping plate (24). At the reverse motion of the needle board (23) in an enclosed space with atmospheric pressure the air from the decreasing section of an enclosed space under or above the needle board (23) in direction of its motion is expelled into the increasing section of an enclosed space on opposite side of the needle board (23), at the same time this alternately expelled air streams in the mentioned enclosed space, by which the low-frequency noise in surroundings of the machine is limited. The invention also relates to the device for reduction of low-frequency noise generated at operation of the needling device (2) for production of nonwoven fabrics (11).

IPC 8 full level

D04H 18/02 (2012.01)

CPC (source: EP)

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Citation (applicant)

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