

Title (en)

Device for reducing vibrations of sewing machines

Title (de)

Vorrichtung zur Reduktion von Nähmaschinenvibrationen

Title (fr)

Dispositif pour la diminution des vibrations de machines à coudre

Publication

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Application

EP 08466025 A 20080912

Priority

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Abstract (en)

[origin: EP2037031A1] The invention relates to the device for reducing vibrations of sewing machines induced by dynamic forces of the crank mechanism of needle bar (16) and the thread feeder (14) mechanism. At the same time the crank mechanism of needle bar (16) is coupled with the balancing eccentric mechanism (19), whose exit member (193) has a lift several times lower than the lift of needle bar (16), and its weight is several times higher than the weight of moving parts of the crank mechanism of the needle bar (16) and of the thread feeder (14) mechanism. The vertical component of speed vector of exit member (193) of the balancing eccentric mechanism (19) has an opposite sense with respect to the speed vector of needle bar (16).

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