Title (en)

GRAIN-CLEANING MACHINE

Title (de

KORNREINIGUNGSMASCHINE

Title (fr)

MACHINE POUR LE LAVAGE DE GRAINS

Publication

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Application

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Abstract (en)

[origin: EP3421145A1] The invention proposes a grain-cleaning machine (10) comprising an envelope (12) with an inlet opening (13), an arrangement of sieves inside the envelope (12) and a vibration system designed to cause the sieve arrangement to oscillate. The sieve arrangement comprises at least two main sieve levels (14a, 14b, 14c) arranged the one above the other, with an inclination relative to the horizontal from a high side (L1) to a low side (L2), each main sieve level (14a, 14b, 14c) comprising respective fine sieves (141) followed by respective grain sieves (142), and under each fine sieve (141) respective fine-carrying channels (143) are arranged in communication with at least one outlet (18) for residues smaller than the grains, whereas under each grain sieve (142) respective grain-carrying channels (144) are arranged in communication with at least one grain outlet (19). The sieve arrangement further comprises at least one lower sieve level (16) with respective lower grain sieves (162), and under the lower grain sieves (162) respective lower grain-carrying channels (164) are arranged in communication with at least one grain outlet (19). The lower sieve levels (16) are arranged under the respective main sieve levels (14a, 14b, 14c) with an inclination relative to the horizontal from a high side (L3) to a low side (L4), wherein the low side (L2) of each main sieve level (14a, 14b, 14c) is in communication with the high side (L3) of the respective lower sieve level (16) through a vertical passage (17), and the low side (L4) of the lower sieve level (16) is in communication with at least one of the outlets (20) for residues larger than the grains.

IPC 8 full level

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