

Title (en)
PLAN SIFTER

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Application
EP 84810557 A 19841119

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Abstract (en)

[origin: EP0143080A2] In a plansifter, a relatively complicated suspension of the sifting box or boxes is necessary, it also being necessary to make the said boxes oscillate by means of at least one separate complicated drive device, its oscillation being propagated into the surroundings of the plansifter when plansifters with a high level of power are used. In order to provide a remedy with respect to these conditions, it is proposed according to the invention to drive the plansifter by means of a common drive (4;104) when there are at least two sifting boxes (1,2;101,102) arranged on top of or next to one another. The drive device contains a motor (68;168) which by means of a belt (99;169) drives one or two shafts (62;162,163) with which the sifting boxes (1,2;101,102) are connected via one eccentric (66;166) in each case. Weights (72,73;172,173;193,194) are arranged on the shafts (62;162,163;183,184) in such a way that they compensate the oscillatory effect of the sifting boxes (1,2;101,102) on the suspended shafts (62;162,163;183,184). The eccentrics (66) are arranged on the shaft (62) which circulates in one direction and on the shafts (162,163;183,184) which circulate in the opposite or same direction and are driven in such a way that the sifting boxes (1,2;101,102) and the weights (72,73;172,173;193,194) are always running counter to them. A high-power plansifter of such simple construction is vibration- compensated.
<IMAGE>

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Citation (search report)
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