

Title (en)

METHOD AND MECHANISM FOR CLEANING BEACH SAND

Title (de)

VERFAHREN UND MECHANISMUS ZUR REINIGUNG VON STRANDSAND

Title (fr)

PROCÉDÉ ET MÉCANISME PERMETTANT DE NETTOYER LE SABLE DE LA PLAGE

Publication

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Application

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Abstract (en)

[origin: WO2007034245A1] A method having two separate work phases , where, during the first one, the sand destined to be cleaned is stirred up by a rotor (2) , which rotates at a steady rotation speed, whilst the mechanism passes over the surface of sand to be cleaned. During stirring up the waste encountered in the whole working depth are ejected onto a conveyor belt (5) together with a small quantity of stirred sand and then directed to screens where the sand is separated and the remaining waste is ejected into a waste bucket. During the second work phase, the major proportion of the stirred sand, which is now clean, is moved in a flow (12) between the sphenoid blade (1) and the conveyor belt, without any waste, and distributed on the ground. An advantage of this invention is the economy of energy consumption and the improvement of beach sand cleaning machinery performance.

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