

Title (en)

SYSTEM AND METHOD FOR DETERMINING A MATERIAL ENTITY TO BE REMOVED FROM A PILE AND A CONTROL UNIT FOR A WORKING MACHINE COMPRISING SUCH A SYSTEM

Title (de)

SYSTEM UND VERFAHREN ZUR BESTIMMUNG EINER VON EINEM PFAHL ZU ENTFERNENDEN MATERIALEINHEIT UND STEUEREINHEIT FÜR EINE ARBEITSMASCHINE MIT SOLCH EINEM SYSTEM

Title (fr)

SYSTÈME ET PROCÉDÉ PERMETTANT DE DÉTERMINER UNE ENTITÉ DE MATÉRIAU À ÉLIMINER D'UN PIEU ET UNITÉ DE COMMANDE POUR UN ENGIN DE CHANTIER COMPRENANT UN TEL SYSTÈME

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Application

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Abstract (en)

[origin: WO2017105308A1] The present invention relates to a system (18) for determining a material entity (32) to be removed from a pile (16) by means of an implement (12) of a material moving machine (10). The system (18) comprises means for generating a current pile shape (26) of the actual surface shape of the pile (16). Moreover, the system (18) is adapted to determine a nominal pile shape (28) of at least a portion of the pile (16). The nominal pile shape (28) is determined on the basis of at least the current pile shape (26) and information regarding the material type of the pile (16). Further the system (18) is adapted to determine a surplus volume (30) between the nominal pile shape (28) and the current pile shape (26) and the system (18) is adapted to determine the material entity (32) to be removed from the pile (16) on the basis of the surplus volume (30).

IPC 8 full level

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