

Title (en)
METHOD FOR SETTING UP A MOBILE MACHINE

Title (de)
VERFAHREN ZUM AUFSTELLEN EINER MOBILEN ARBEITSMASCHINE

Title (fr)
PROCÉDÉ D'INSTALLATION D'UNE MACHINE-OUTIL MOBILE

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Application
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Abstract (en)
[origin: US2010324824A1] The invention relates to a method for setting up a mobile machine (1), particularly an automatic concrete pump, a mobile crane or a movable elevating work platform. With such a method, the subsurface (28) of a site is analyzed for the properties and/or load-bearing capacity thereof before the machine (10) is positioned there and/or oriented and supported by means of flarable supporting legs (20, 24) in set-up positions (VR, VL, HR, HL) suitable according to the determined subsurface properties and load-bearing capacity. In order to determine an optimized set-up position for the supporting legs (20, 24), geodata (38) of a geographic environment that includes the site is read via a computer in a data memory (44) using a layer of subsurface data (40) that defines the subsurface properties and load-bearing capacity. In addition, the geographic position of the machine (1) and the orientation thereof at the site are determined and linked in the form of a data set that defines at least the geographic set-up positions (VR, VL, HR, HL) of the flared supporting legs (20, 24) to the imported geodata and subsurface data (38, 40). Then, the machine (1) is navigated with the supporting legs (20, 24) into a set-up position that is suited according to the imported geodata and subsurface data.

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