

TITLE OF THE INVENTION

5 **Optimization of boring by a tunnel boring machine as a function
 of ground/machine interactions**

ABSTRACT

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The invention relates to a method (S10) for optimizing the characteristics of a tunnel boring machine, particularly a tunnel boring machine of the slurry pressure or VD type, said method comprising the following steps:

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S0: determining a ground/machine interaction model,

S11: instantaneous measurement of the set of specific boring parameters of the tunnel boring machine,

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S13: determining the group of individuals corresponding to the boring parameters measured in step S11 by means of the ground/machine interaction model,

S14: optimizing the characteristics of the tunnel boring machine as a function of the group of individuals thus determined.

Figure 3