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(71) 申请人: 阿里巴巴集团控股有限公司 (ALIBABA GROUP HOLDING LIMITED) [—/CN]; 开曼群岛大开曼资本大厦一座四层 847 号邮箱, Grand Cayman (KY)。

(72) 发明人: 周俊 (ZHOU, Jun); 中国浙江省杭州市余杭区文一西路 969 号 3 号楼 5 楼阿里巴巴集团法务部, Zhejiang 311121 (CN)。

(74) 代理人: 北京博思佳知识产权代理有限公司 (BEIJING BESTIPR INTELLECTUAL PROPERTY LAW CORPORATION); 中国北京市海淀区上地三街 9 号嘉华大厦 B 座 409, Beijing 100085 (CN)。

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(54) Title: MODEL TEST METHOD AND DEVICE

(54) 发明名称: 模型测试的方法及装置

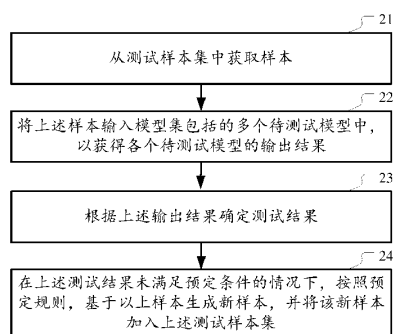


图 2

- 21 Acquire a sample from a test sample set
22 Input the sample into a plurality of models to be tested included in a model set, so as to acquire an output result of each of the models to be tested
23 Determine a test result according to the output result
24 If the test result does not satisfy a predetermined condition, generate a new sample on the basis of said sample according to a predetermined rule, and add the generated new sample to the test sample set

(57) Abstract: The embodiments of the present description provide a model test method and device. According to said method, a sample is acquired from a test sample set; next, the sample is inputted into a plurality of models to be tested included in a model set, so as to acquire an output result of each of the models to be tested; then a test result is determined according to the output result; furthermore, if the test result does not satisfy a predetermined condition, a new sample is generated on the basis of said sample according to a predetermined rule, and the generated new sample is added to the test sample set. In this way, when the model test method is performed cyclically, evaluation is performed on the accuracy and/or the test adequacy of models to be detected, and a new sample, which is generated on the basis of an original sample and is different from the original sample, is added to the test sample set, thereby improving effectiveness of model test.

(57) 摘要: 一种模型测试的方法和装置, 根据该方法, 首先从测试样本集中获取样本, 接着将样本输入模型集包括的多个待测试模型中, 以获得各个待测试模型的输出结果, 然后根据输出结果确定测试结果, 进一步地, 在该测试结果未满足预定条件的情况下, 按照预定规则, 基于上述样本生成新样本, 并将所生成的新样本加入测试样本集。如此, 在该模型测试的方法被循环执行的情况下, 一方面对待检测模型的准确性和/或测试充分程度进行评估, 另一方面将基于原样本生成的、与原样本具有差异化的新样本加入测试样本集, 提高模型测试的有效性。

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