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(54) Title: IMAGE RECOGNITION MODEL GENERATION METHOD AND APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM

(54) 发明名称: 图像识别模型生成方法、装置、计算机设备和存储介质

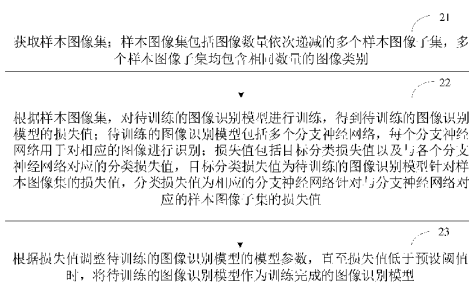


图 2

- 21 Acquire a sample image set, the sample image set comprising a plurality of sample image subsets of which the number of images successively decreases, and the plurality of sample image subsets all containing the same number of image categories
- 22 According to the sample image set, train an image recognition model to be trained, so as to obtain loss values of said image recognition model, wherein said image recognition model comprises a plurality of branch neural networks, each neural network is used for recognizing a corresponding image, the loss values include a target classification loss value and classification loss values corresponding to the branch neural networks, the target classification loss value is a loss value of said image recognition model regarding the sample image set, and the classification loss values are loss values of the corresponding branch neural networks regarding sample image subsets corresponding to the branch neural networks
- 23 According to the loss values, adjust the parameters of said image recognition model, until said image recognition model is taken as a trained image recognition model

(57) Abstract: An image recognition model generation method and apparatus, a computer device and a storage medium. Said method comprises: acquiring a sample image set, the sample image set comprising a plurality of sample image subsets of which the number of images successively decreases, and the plurality of sample image subsets all containing the same number of image categories; according to the sample image set, training an image recognition model to be trained, so as to obtain loss values of said image recognition model, wherein said image recognition model comprises a plurality of branch neural networks, the loss values include a target classification loss value and classification loss values, the target classification loss value is a loss value of said model regarding the sample image set, and the classification loss values are loss values of the branch neural networks regarding corresponding sample image subsets; and adjusting parameters of said model according to the loss value, until the loss values are lower than a preset threshold.

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根据细则4.17的声明：

- 关于申请人有权要求在先申请的优先权 (细则
4.17(iii))

本国际公布：

- 包括国际检索报告 (条约第21条(3))。

(57) 摘要：一种图像识别模型生成方法、装置、计算机设备和存储介质，包括：获取样本图像集；样本图像集包括图像数量依次递减的多个样本图像子集，多个样本图像子集均包含相同数量的图像类别；根据样本图像集，对待训练的图像识别模型进行训练，得到待训练的图像识别模型的损失值；待训练的图像识别模型包括多个分支神经网络；损失值包括目标分类损失值以及分类损失值，目标分类损失值为模型针对样本图像集的损失值，分类损失值为分支神经网络针对对应的样本图像子集的损失值；以及根据损失值调整模型参数，直至损失值低于预设阈值。