

**METHOD, DEVICE AND COMPUTER PROGRAM FOR TRAINING A
MACHINE LEARNING MODEL TO GENERATE TEXT AND FOR
GENERATING TEXT USING THE TRAINED MACHINE LEARNING MODEL**

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Abstract

The disclosure generally relates to a computer-implemented method for training a machine learning model for text generation, the method comprising inputting text into the machine learning model; preprocessing the input text to obtain a plurality of character
10 vector representations; encoding, using an encoder, each of the plurality of character vector representations to obtain a plurality of word vector representations; generating, using a backbone model, a plurality of predictive word vector representations based on the plurality of word vector representations; decoding, using a decoder, the plurality of predictive word vector representations to obtain a plurality of character-probabilities; and
15 updating the machine learning model based the plurality of character-probabilities. The disclosure also relates to a computer implemented method for generating text, a corresponding device, system and computer program.

[Fig. 1]