

Title (en)
CHARACTERIZING ACTIVITY IN A RECURRENT ARTIFICIAL NEURAL NETWORK AND ENCODING AND DECODING INFORMATION

Title (de)
CHARAKTERISIERUNG DER AKTIVITÄT IN EINEM REKURRENTEN KÜNSTLICHEN NEURONALEN NETZ UND CODIERUNG UND DECODIERUNG VON INFORMATIONEN

Title (fr)
CARACTÉRISATION DE L'ACTIVITÉ DANS UN RÉSEAU NEURONAL ARTIFICIEL RÉCURRENT ET CODAGE ET DÉCODAGE D'INFORMATIONS

Publication
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Application
EP 19728990 A 20190606

Priority

- US 201816004635 A 20180611
- US 201816004837 A 20180611
- US 201816004796 A 20180611
- US 201816004757 A 20180611
- US 201816004671 A 20180611
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Abstract (en)
[origin: WO2019238523A1] Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, for characterizing activity in a recurrent artificial neural network and encoding and decoding information. In one aspect, a method that is implemented by one or more data processing devices can include receiving a training set that includes a plurality of representations of topological structures in patterns of activity in a source neural network and training a neural network using the representations either as an input to the neural network or as a target answer vector. The activity is responsive to an input into the source neural network.

IPC 8 full level
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Cited by
US11580401B2; US11569978B2; US11816553B2; US11797827B2; US11972343B2; US11652603B2; US11615285B2; US11651210B2; US11893471B2; US12020157B2

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EP 2019064776 W 20190606; CN 201980053140 A 20190606; CN 201980053141 A 20190606; CN 201980053463 A 20190606; CN 201980053465 A 20190605; CN 201980054063 A 20190606; EP 19728962 A 20190605; EP 19728989 A 20190606; EP 19728990 A 20190606; EP 19728992 A 20190606; EP 19728993 A 20190606; EP 2019064593 W 20190605; EP 2019064740 W 20190606; EP 2019064741 W 20190606; EP 2019064773 W 20190606; KR 20207035843 A 20190605; KR 20207035844 A 20190606; KR 20207035845 A 20190606; KR 20207035846 A 20190606; KR 20207035847 A 20190606; TW 108119813 A 20190606