

Title (en)

METHOD, HARDWARE DEVICE AND SOFTWARE PROGRAM FOR POST-PROCESSING OF TRANSCODED DIGITAL SIGNAL

Title (de)

VERFAHREN, HARDWARE-VORRICHTUNG UND SOFTWARE-PROGRAMM ZUR NACHBEARBEITUNG EINES TRANSCODIERTEN DIGITALEN SIGNALS

Title (fr)

PROCÉDÉ, DISPOSITIF MATÉRIEL ET PROGRAMME LOGICIEL POUR POST-TRAITEMENT DE SIGNAL NUMÉRIQUE TRANSCODÉ

Publication

**EP 3777194 A1 20210217 (EN)**

Application

**EP 18716589 A 20180405**

Priority

EP 2018058737 W 20180405

Abstract (en)

[origin: WO2019192705A1] Abstract Method for post-processing of a transcoded digital signal including audio and/or video data to get an enhanced transcoded digital signal, whereby said transcoded signal was obtained by decoding of an encoded signal using a decoder and said encoded signal was obtained by encoding of a source signal using an encoder, whereby the method comprising the following steps using a postprocessor: providing a plurality of transcoded signal frames, whereby said transcoded signal frames were generated by separating one of said transcoded digital signal processing each transcoded signal frame into a first representation within a processing domain; feeding each first representation of the transcoded signal frames into an artificial neural network to obtain for each first representation a second representation of the respective transcoded signal frame, whereby said artificial neural network is provided such that the artificial neural network is trained a mapping from a representation of a transcoded signal frame within said processing domain to a representation of a source signal frame within said processing domain; generating an enhanced transcoded digital signal based on the second representations obtained from the artificial neural network; and outputting said enhanced transcoded digital signal.

IPC 8 full level

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CPC (source: EP)

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