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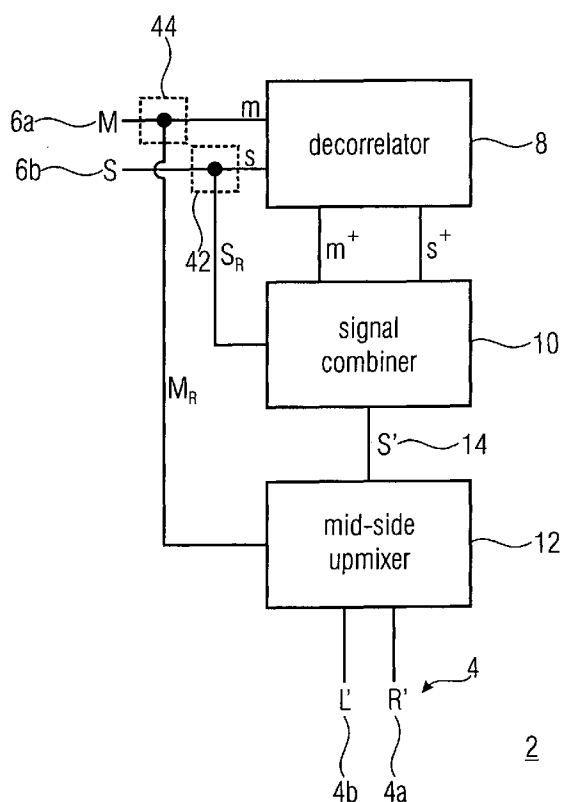
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR GENERATING A STEREO SIGNAL WITH ENHANCED PERCEPTUAL QUALITY



(57) Abstract: A stereo signal with enhanced perceptual quality using a mid-signal and a side-signal, can be generated, when an enhanced side signal is created prior to the upmix of the stereo signal. A decorrelated representation of at least a portion of the sum signal and/or a decorrelated representation of at least a portion of the side-signal is generated. The enhanced side-signal is generated combining a representation of the side-signal with the decorrelated representation of the portion of the mid signal, with the decorrelated representation of the portion of the side-signal and the decorrelated representation of the portion of the mid-signal or with the portion of the mid-signal and the decorrelated representation of the portion of the side-signal. The stereo signal with enhanced perceptual quality is created using a representation of the mid-signal and the enhanced side-signal.

FIGURE 1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
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