

Abstract

Techniques for embedding and detecting watermarks in data

Watermark data is modulated onto host data by using bits of the watermark data to select watermark patterns, and then linearly adding the watermark patterns to sequences of the host data. To recognise the watermark patterns within the watermarked host data, an ICA de-mixing process (or other blind source separation technique) is performed taking as inputs (i) the watermarked host data, and (ii) the host data and/or the watermark patterns. The watermarked patterns can be recognised from the results of this ICA de-mixing process. The watermark data is then regenerated from the recognised watermark patterns.

[Fig. 4]



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