

ABSTRACTSYSTEM FOR RECORDING AND REPRODUCING A DIGITAL SIGNAL ON/FROM A
RE-RECORDABLE RECORD CARRIER

In a system for recording and reproducing a digital audio signal on/from a re-recordable record carrier, comprising a recording arrangement for recording the digital audio signal in a track on the record carrier and comprising a reproducing arrangement for reproducing the digital audio signal from the track of the record carrier, measures are provided to prevent audible distortion from occurring during a transition from a terminal portion of an original recording to a start portion of a new recording partly recorded over the original recording.

This has been realized by mutilating, such as scrambling, at least part of the start portion of the new recording, so that error flags are generated during reproduction. These error flags result in a muting of the audio information which includes the audible distortion. Other ways of concealment are also possible to conceal the audible distortion.

Mutilating the signal to be recorded can also mean that a concealment codeword is included indicating the transition. Upon detection of the concealment codeword, the concealment control signal is generated, resulting in a concealing of the distorted audio signal.

(Figure 8).