ABSTRACT

APPARATUS FOR REPRODUCING DIGITAL AND ANALOGUE AUDIO SIGNALS

Apparatus is provided for reproducing either M channels of digital audio signal recorded in longitudinal tracks on a record medium or an analogue audio signal recorded in one or two stereo tracks. M heads (1A...) are used to reproduce the M channels of digital audio signals and N of those heads (1A...) ($N \leq M$) are used to reproduce the analogue audio signal. The reproduced digital or analogue audio signals are multiplexed (3) and digitized (4). When digital audio signals are reproduced, the digitized multiplexed signals are digitally processed and then converted (16) to analogue form. When analogue audio signals are reproduced, the digitized multiplexed signals are summed such that signals reproduced by the N heads (1A) are combined to form a digital representation of the recorded analogue audio signal. The summed signals then are converted (16) to analogue form to recover the original analogue audio signal.

Figure 5A/B

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