



[54] APPARATUS AND METHOD FOR GENERATING MUSICAL TONES WITH REDUCED LOAD ON PROCESSING DEVICE, AND STORAGE MEDIUM STORING PROGRAM FOR EXECUTING THE METHOD

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[30] Foreign Application Priority Data

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[51] Int. Cl.<sup>6</sup> ..... G10H 1/02; G10H 1/08

[52] U.S. Cl. .... 84/625; 84/626; 84/660; 84/662

[58] Field of Search ..... 84/622-625, 659-661, 84/692-700, 601-607, 626-633, 662-665

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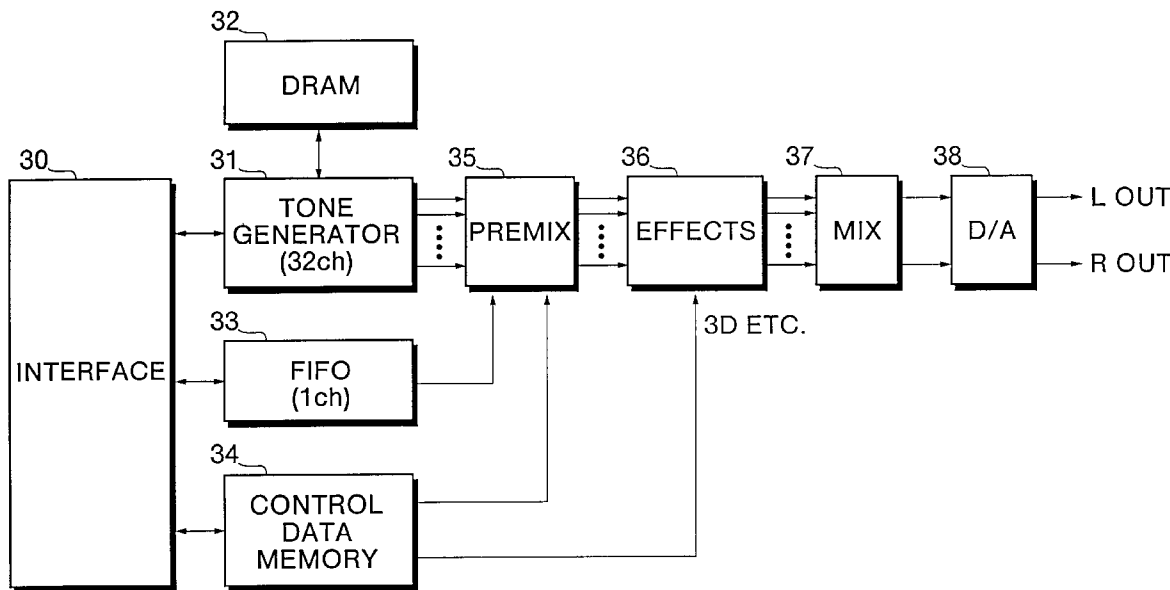
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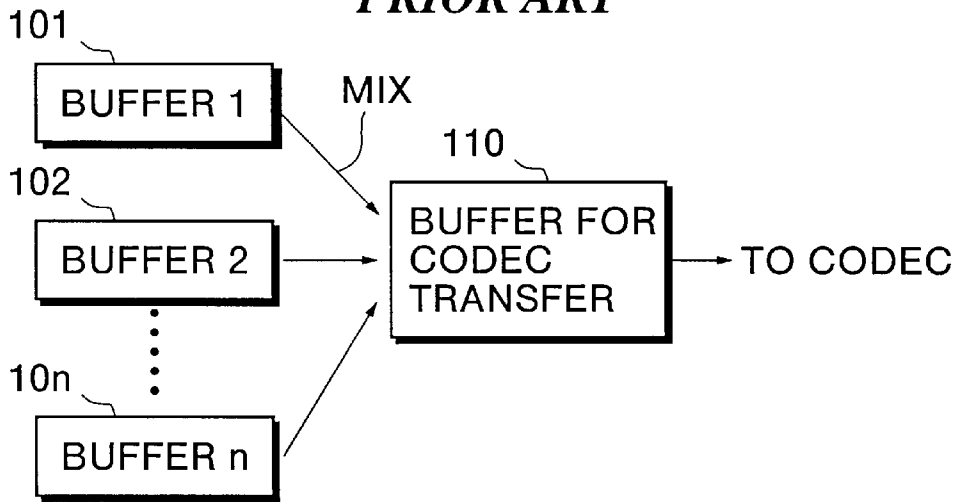
[57] ABSTRACT

A musical tone generating apparatus has a processing device that produces either musical tone synthesis parameters or musical tone waveform data corresponding to input performance data, depending upon a type of the input performance data. An encoder/decoder circuit includes a tone generator circuit that generates musical tone waveform data in accordance with the musical tone synthesis parameters produced by the processing device, a buffer circuit storing the musical tone waveform data produced by the processing device, a mixing circuit that mixes the musical tone waveform data produced by the tone generator circuit and the musical tone waveform data stored in the buffer circuit, and a conversion circuit that converts mixed musical tone waveform data generated from the mixing circuit into a musical tone signal.

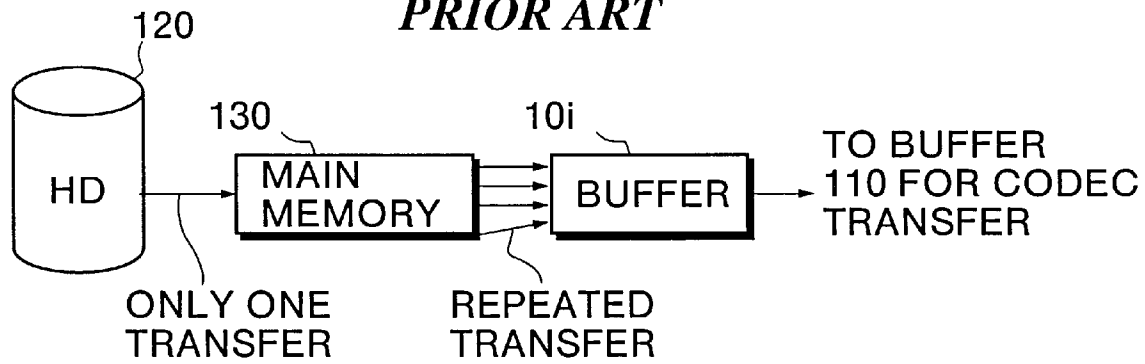
8 Claims, 7 Drawing Sheets



**FIG. 1A**  
**PRIOR ART**



**FIG. 1B**  
**PRIOR ART**



**FIG. 1C**  
**PRIOR ART**

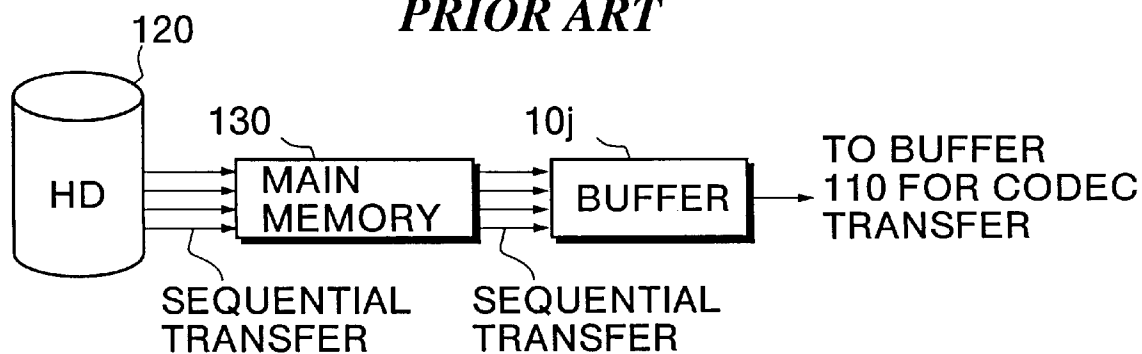


FIG. 2

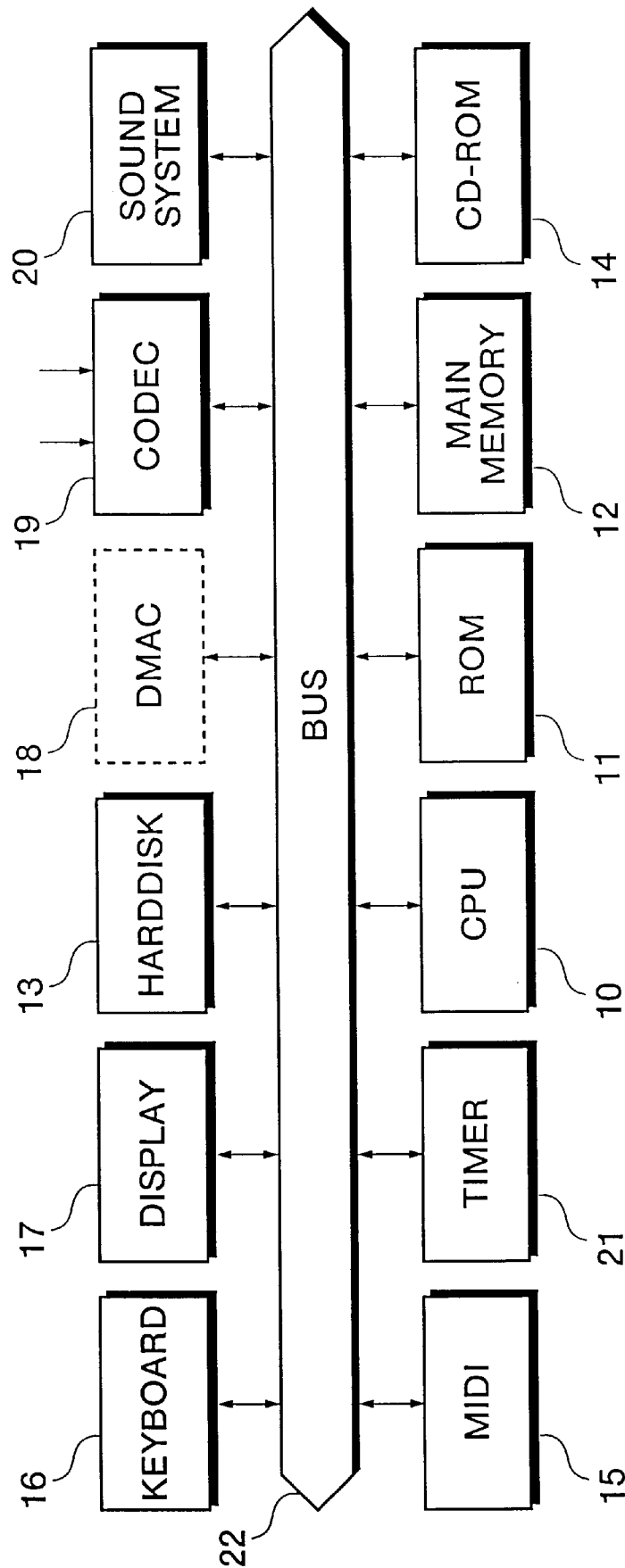


FIG. 3

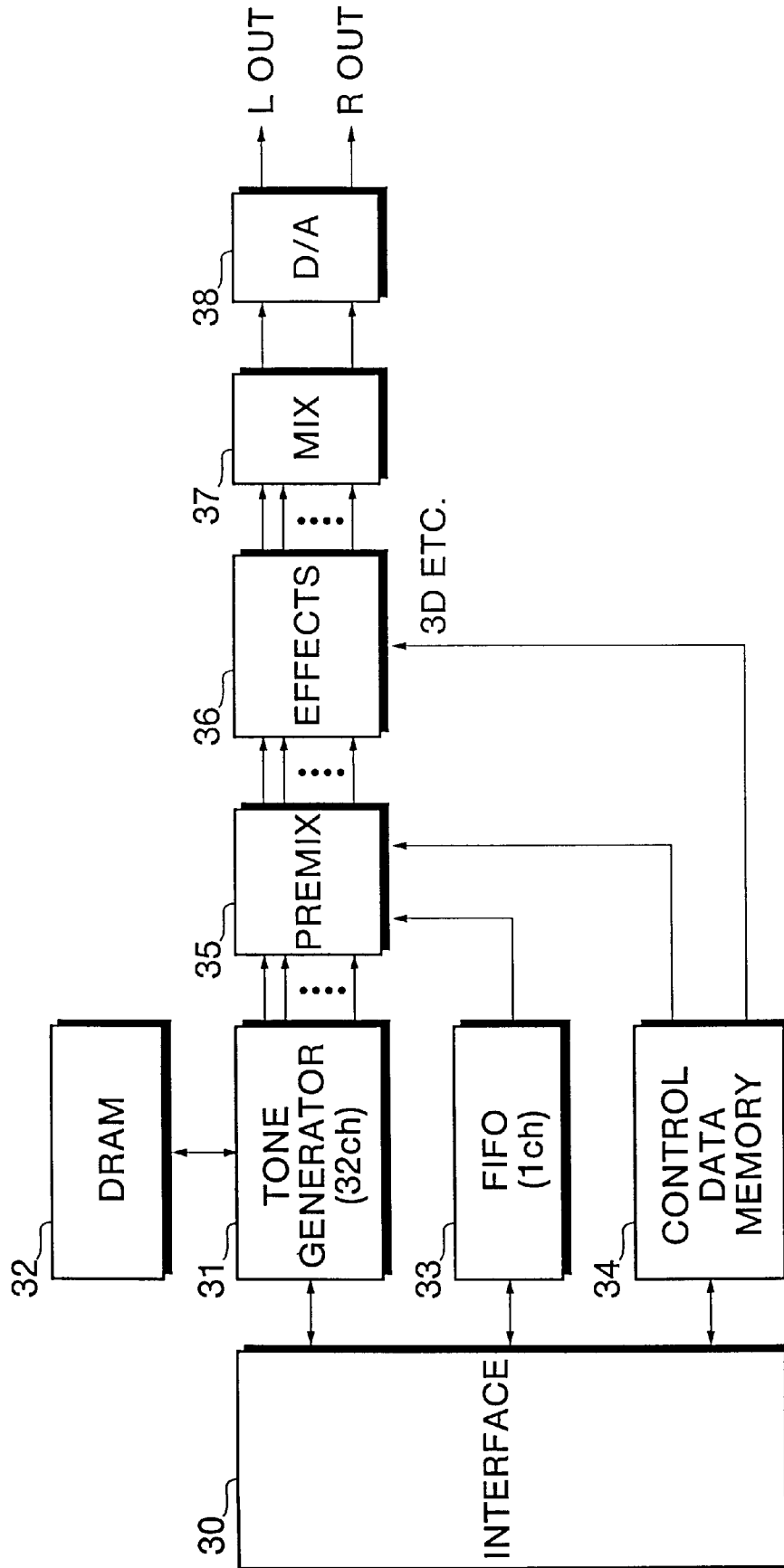
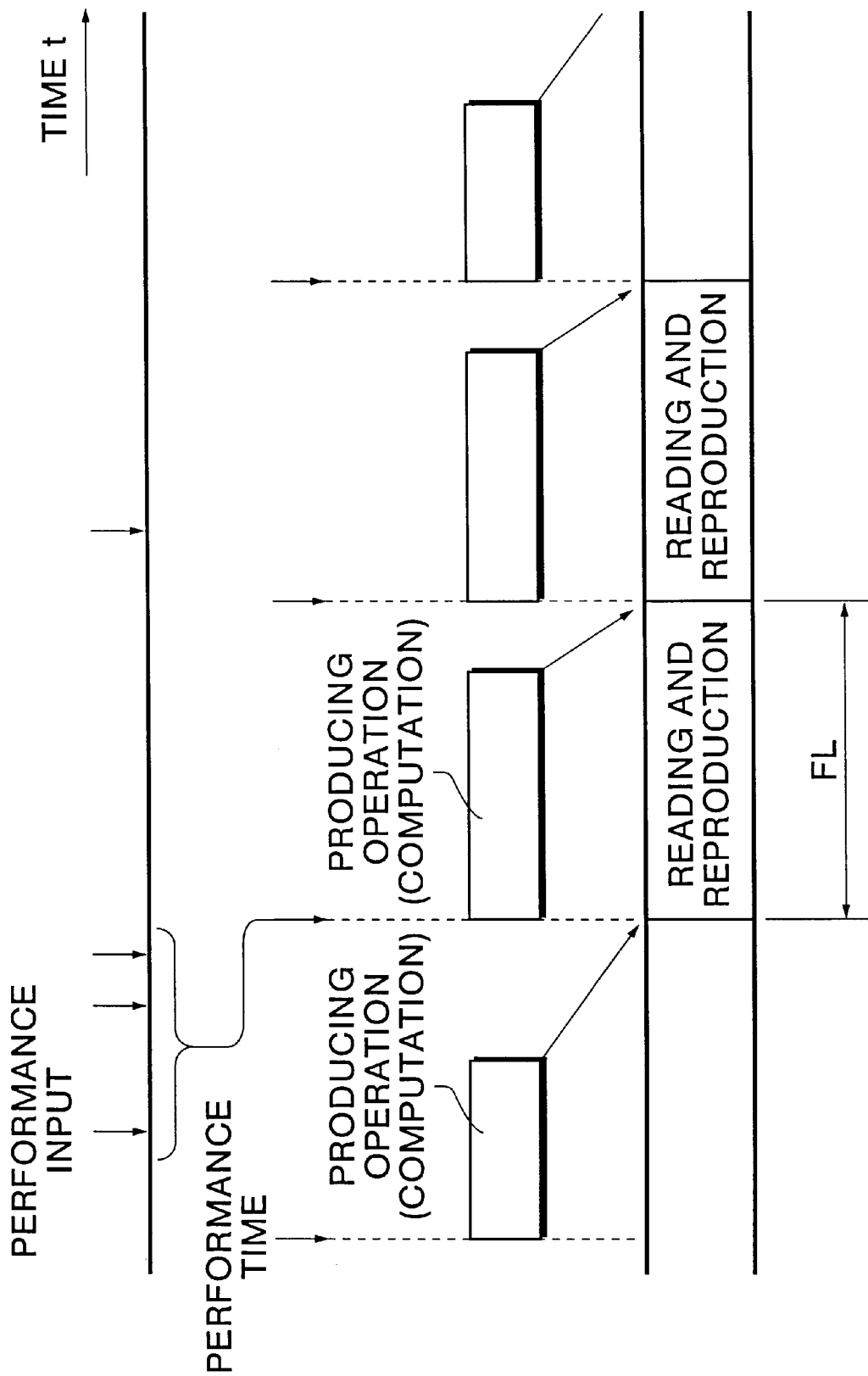


FIG. 4



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