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(54) **METHOD AND APPARATUS FOR MEDIA DATA TRANSMISSION**

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Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(52) **U.S. Cl.** **709/230**; 709/231; 345/327; 370/259
(58) **Field of Search** 709/231, 230; 345/327; 370/259

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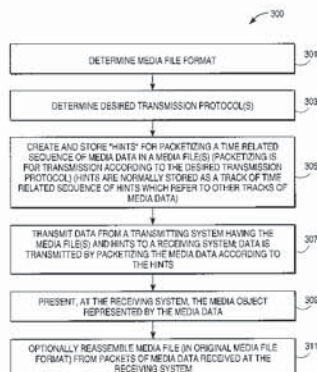(74) *Attorney, Agent, or Firm*—Blakely, Sokoloff, Taylor & Zafman LLP

(57) **ABSTRACT**

Methods and apparatuses for processing media data transmitted in a data communication medium. A digital processing system is provided with a time related sequence of media data provided to the digital processing system based on a set of data, wherein the set of data indicates a method to transmit the time related sequence of media data according to a transmission protocol. The set of data, itself, is a time related sequence of data associated with the time related sequence of media data. The time related sequence of media data may be presented and/or stored by the digital processing system.
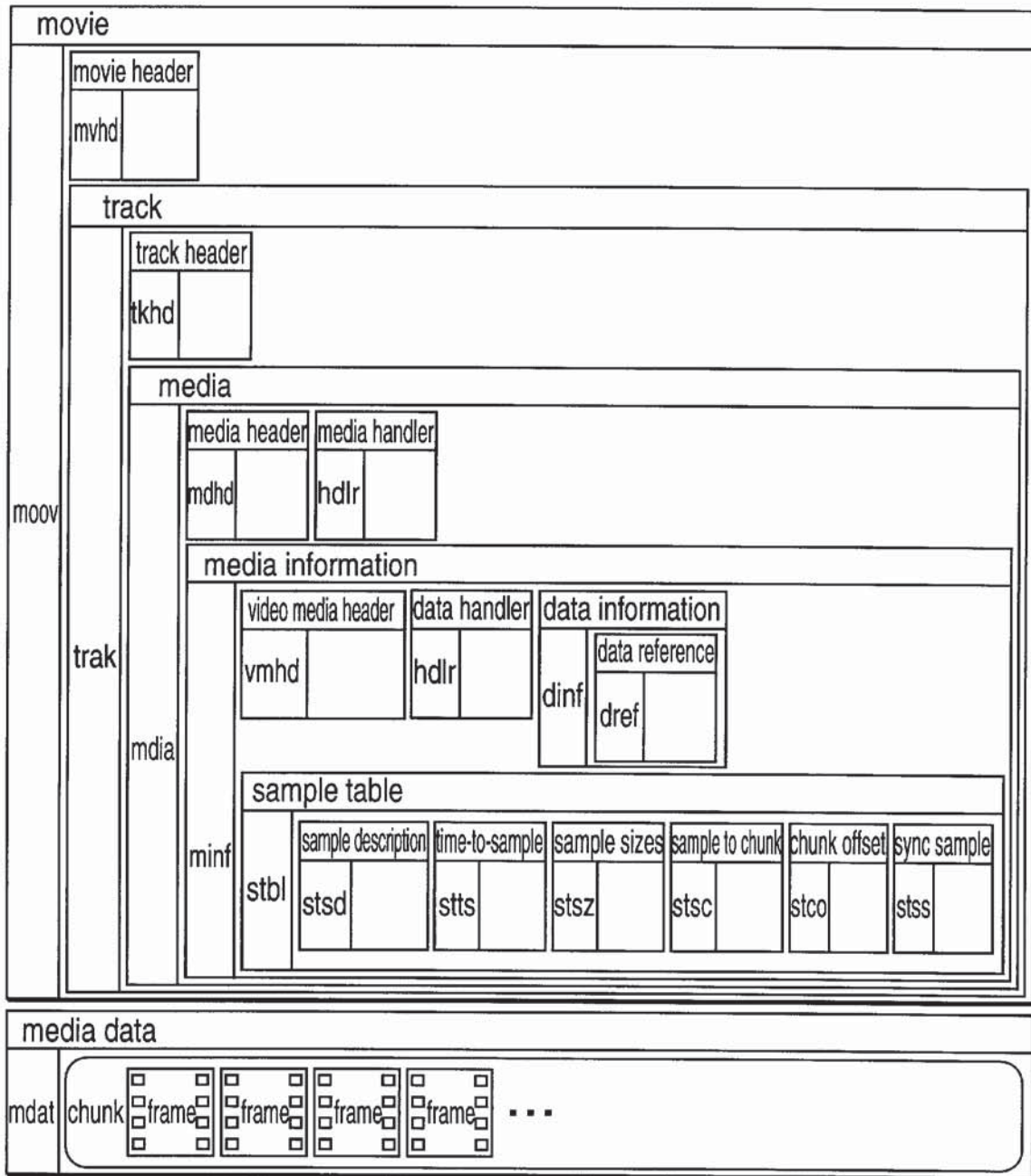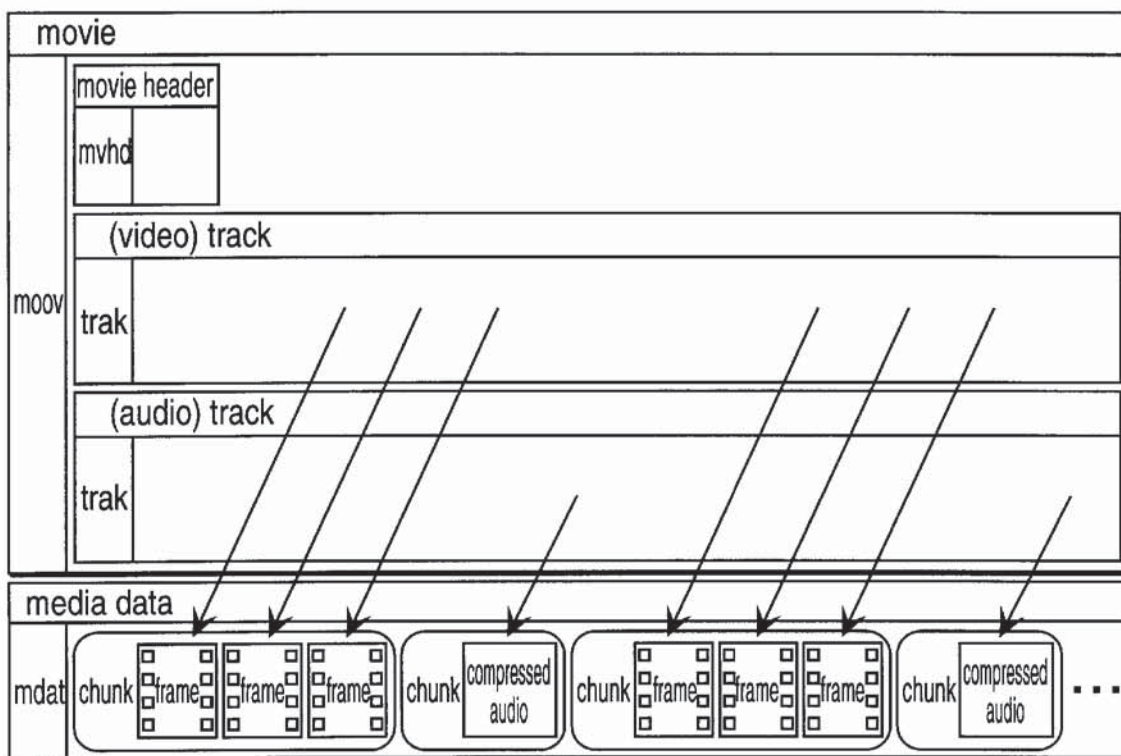
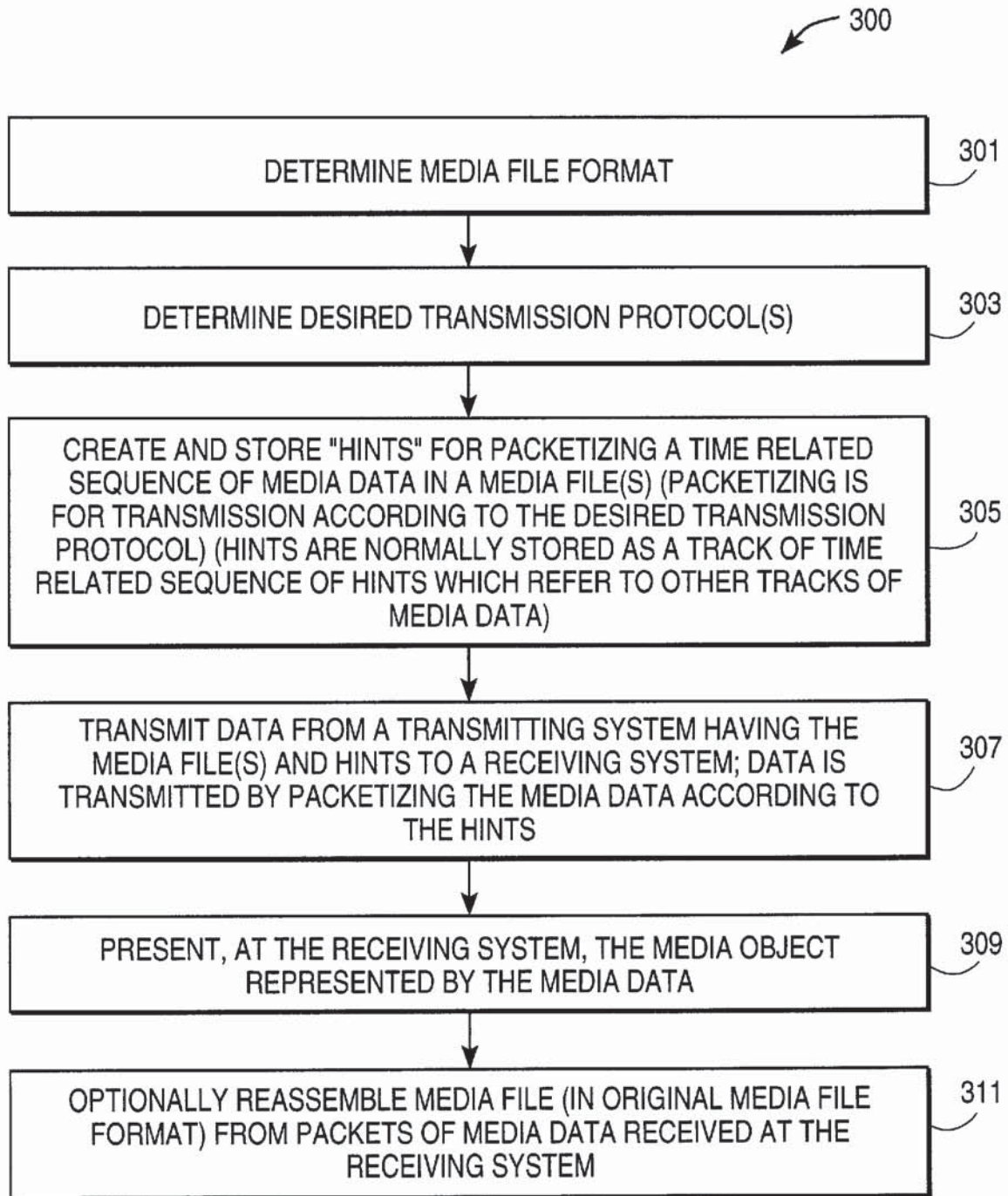**44 Claims, 14 Drawing Sheets**

FIG. 1

FIG. 2

300

| DETERMINE MEDIA FILE FORMAT | 301 |

| DETERMINE DESIRED TRANSMISSION PROTOCOL(S) | 303 |

| CREATE AND STORE "HINTS" FOR PACKETIZING A TIME RELATED SEQUENCE OF MEDIA DATA IN A MEDIA FILE(S) (PACKETIZING IS FOR TRANSMISSION ACCORDING TO THE DESIRED TRANSMISSION PROTOCOL) (HINTS ARE NORMALLY STORED AS A TRACK OF TIME RELATED SEQUENCE OF HINTS WHICH REFER TO OTHER TRACKS OF MEDIA DATA) | 305 |

| TRANSMIT DATA FROM A TRANSMITTING SYSTEM HAVING THE MEDIA FILE(S) AND HINTS TO A RECEIVING SYSTEM; DATA IS TRANSMITTED BY PACKETIZING THE MEDIA DATA ACCORDING TO THE HINTS | 307 |

| PRESENT, AT THE RECEIVING SYSTEM, THE MEDIA OBJECT REPRESENTED BY THE MEDIA DATA | 309 |

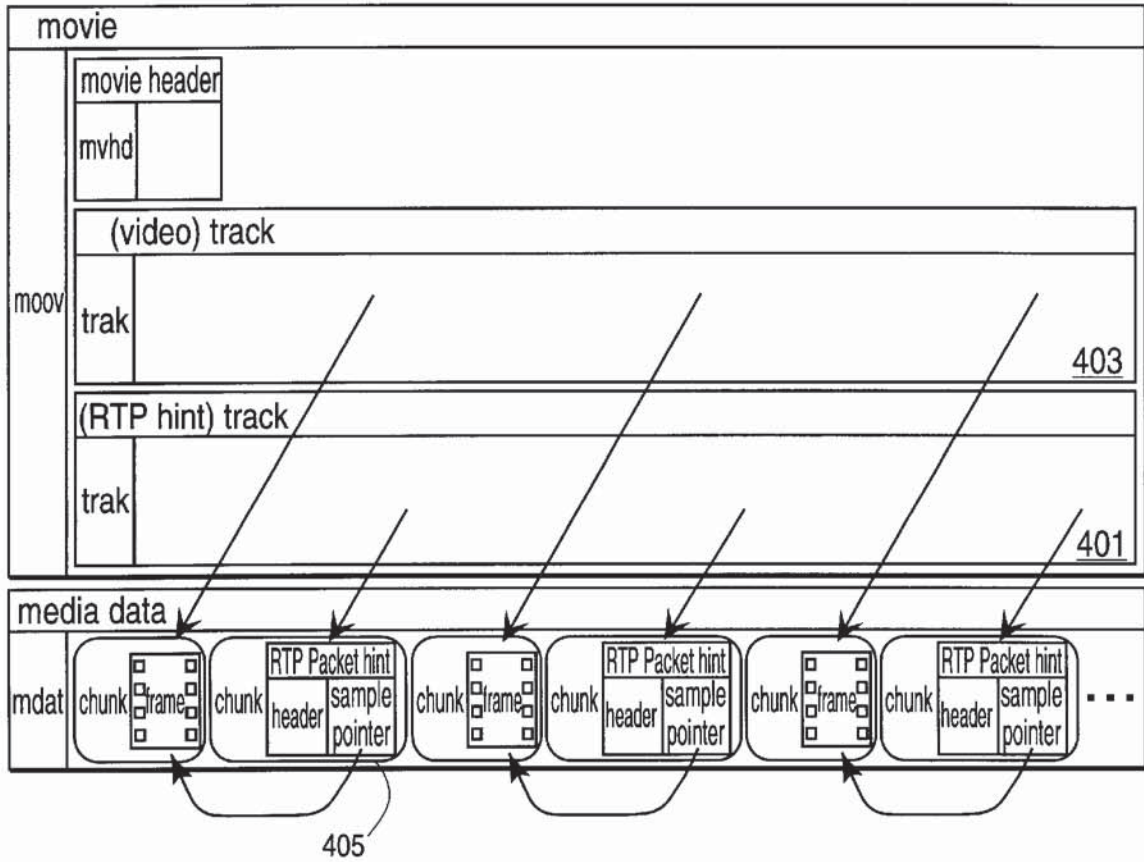| OPTIONALLY REASSEMBLE MEDIA FILE (IN ORIGINAL MEDIA FILE FORMAT) FROM PACKETS OF MEDIA DATA RECEIVED AT THE RECEIVING SYSTEM | 311 |

FIG. 3

FIG. 4

DOCKET ALARM

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