

FIG. 1

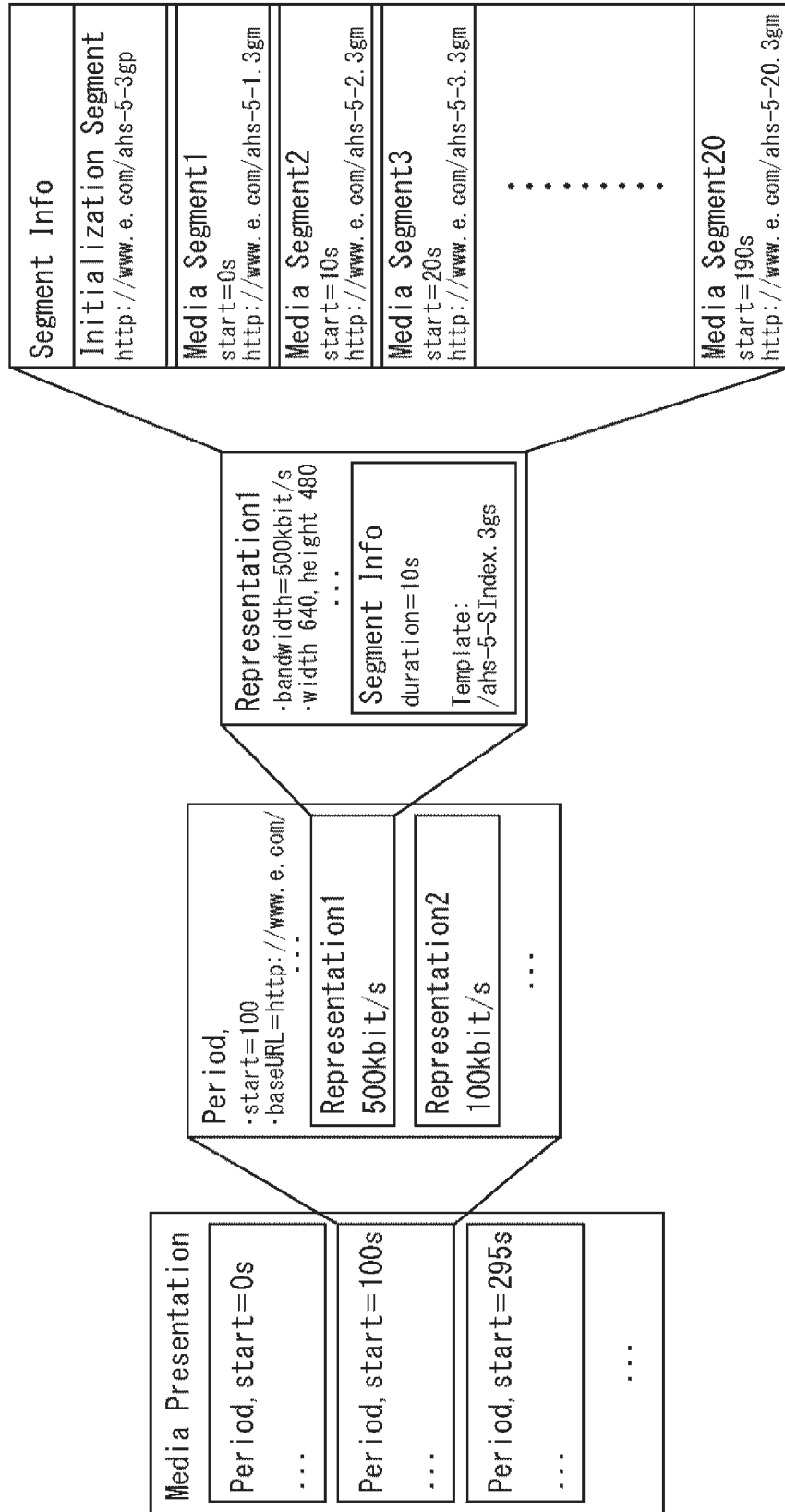


FIG. 2

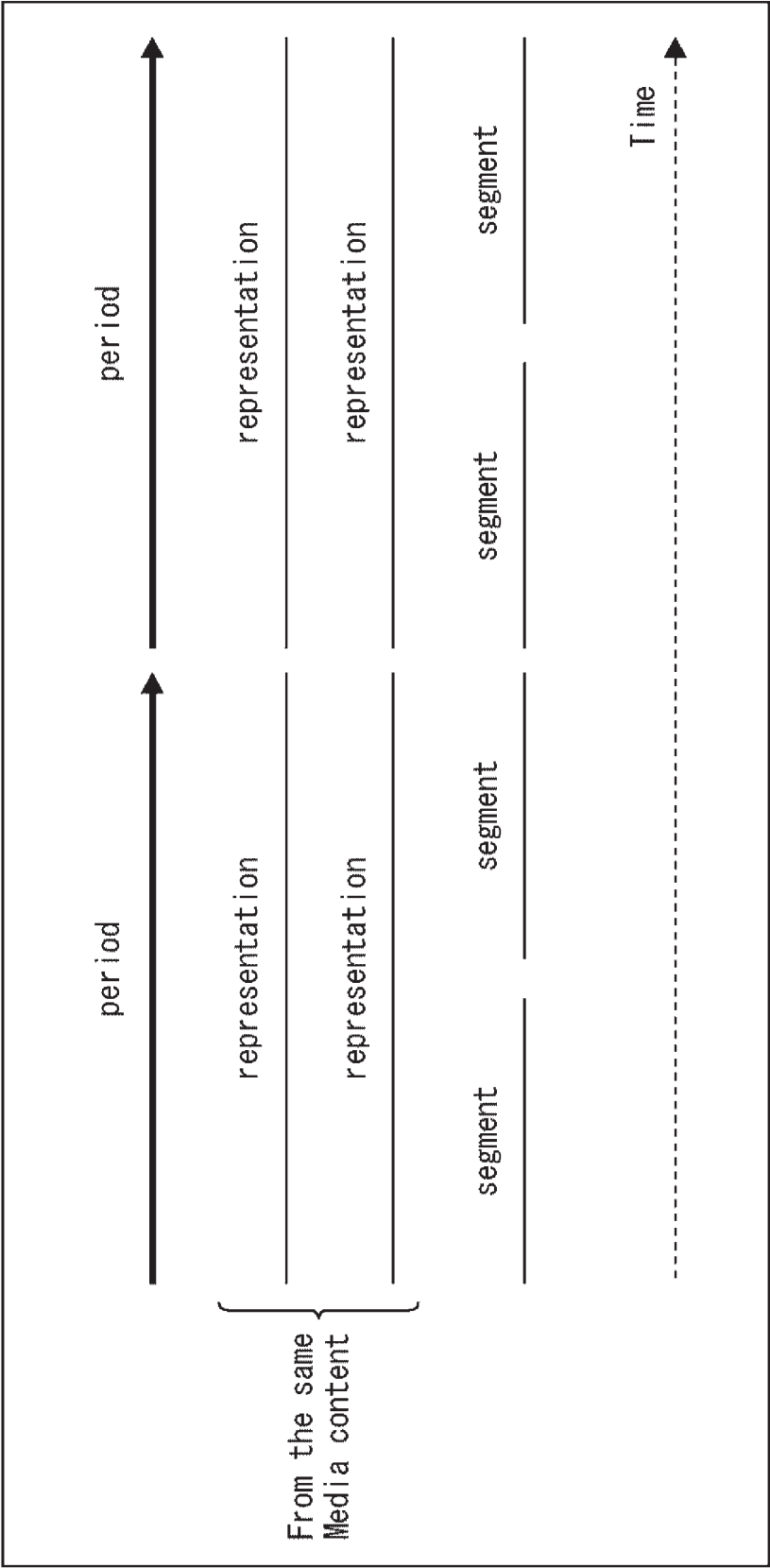


FIG. 3

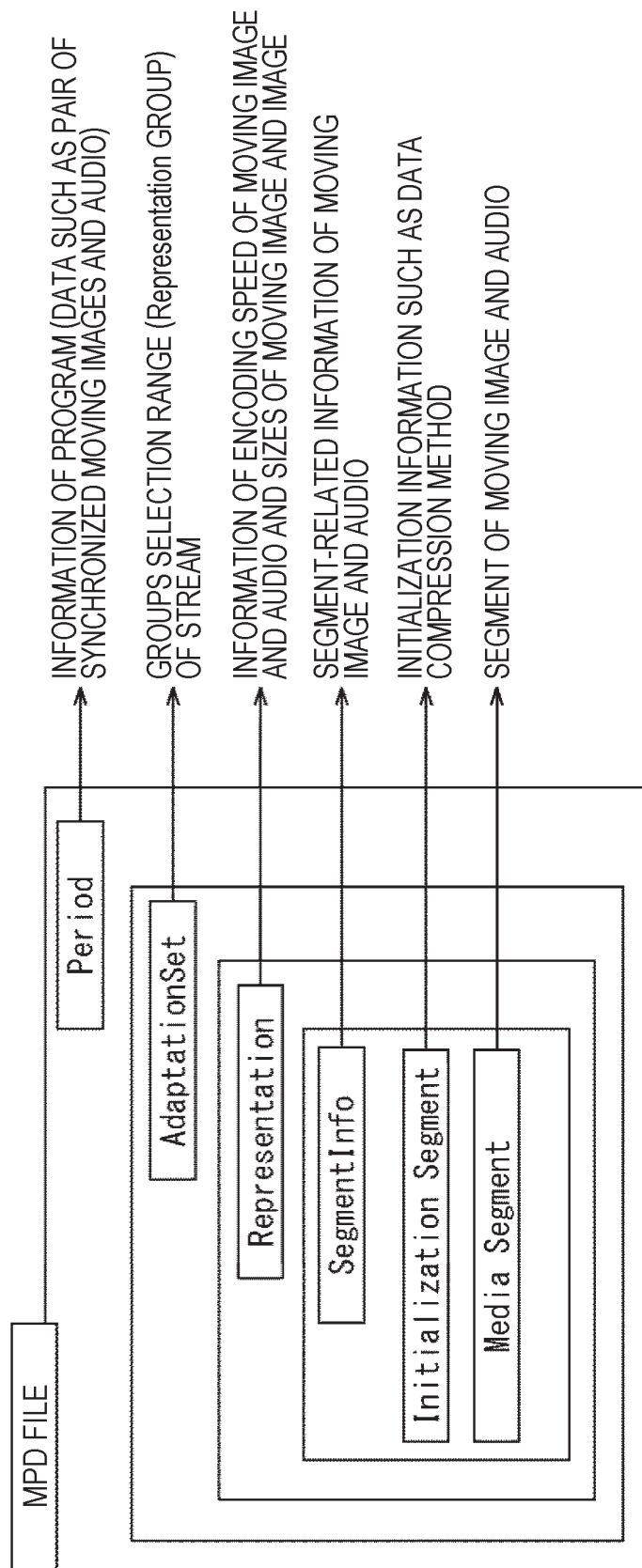


FIG. 4

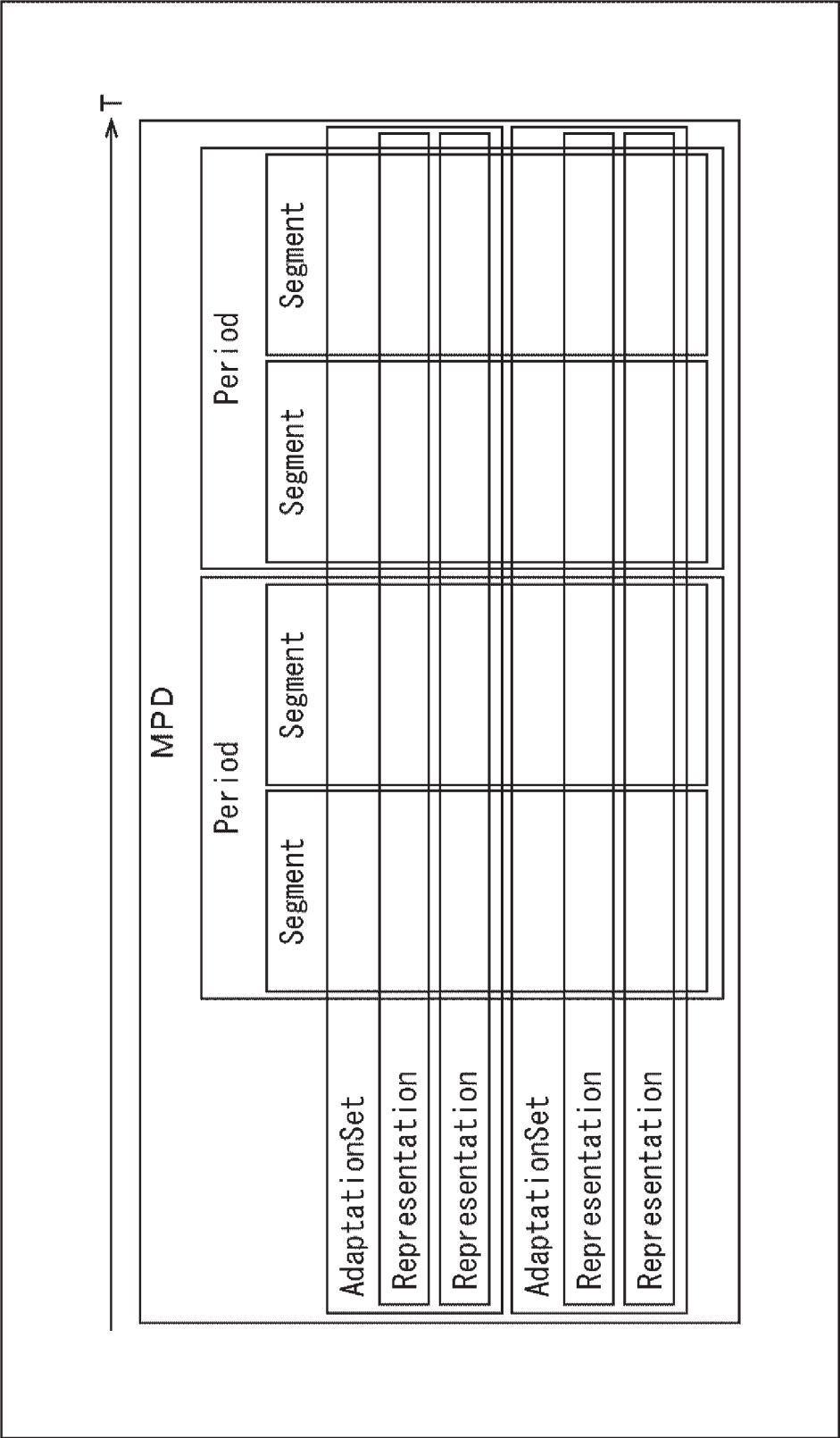


FIG. 5

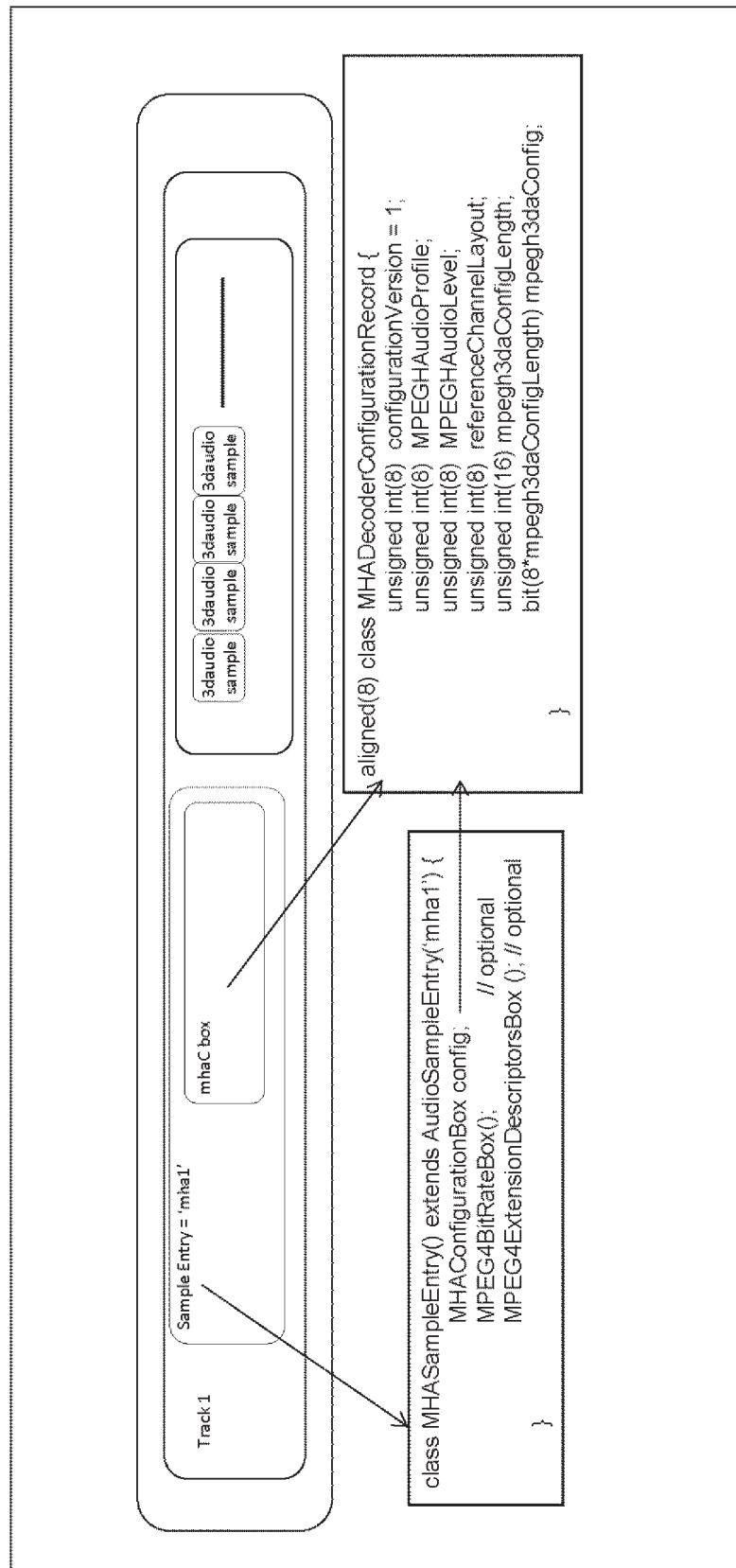
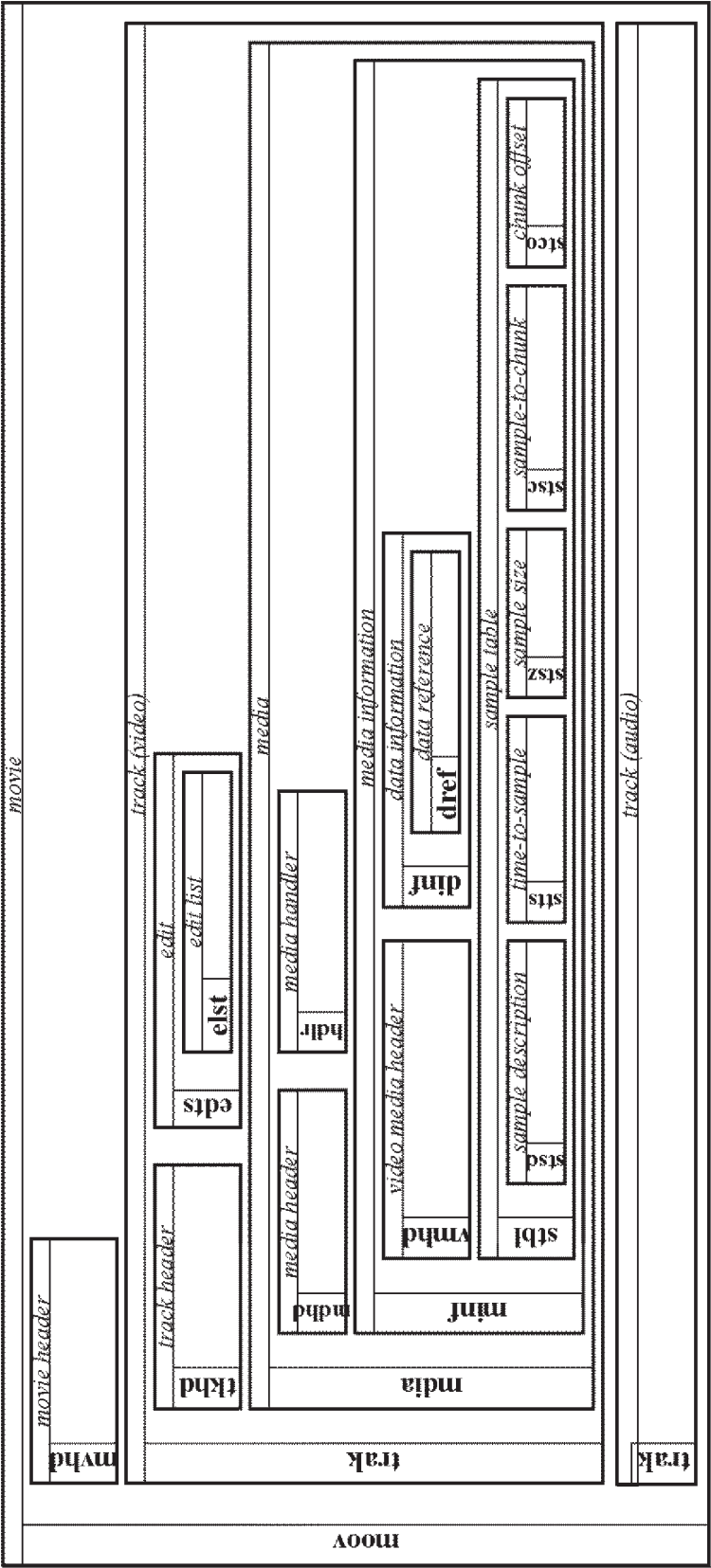


FIG. 6



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FIG. 7

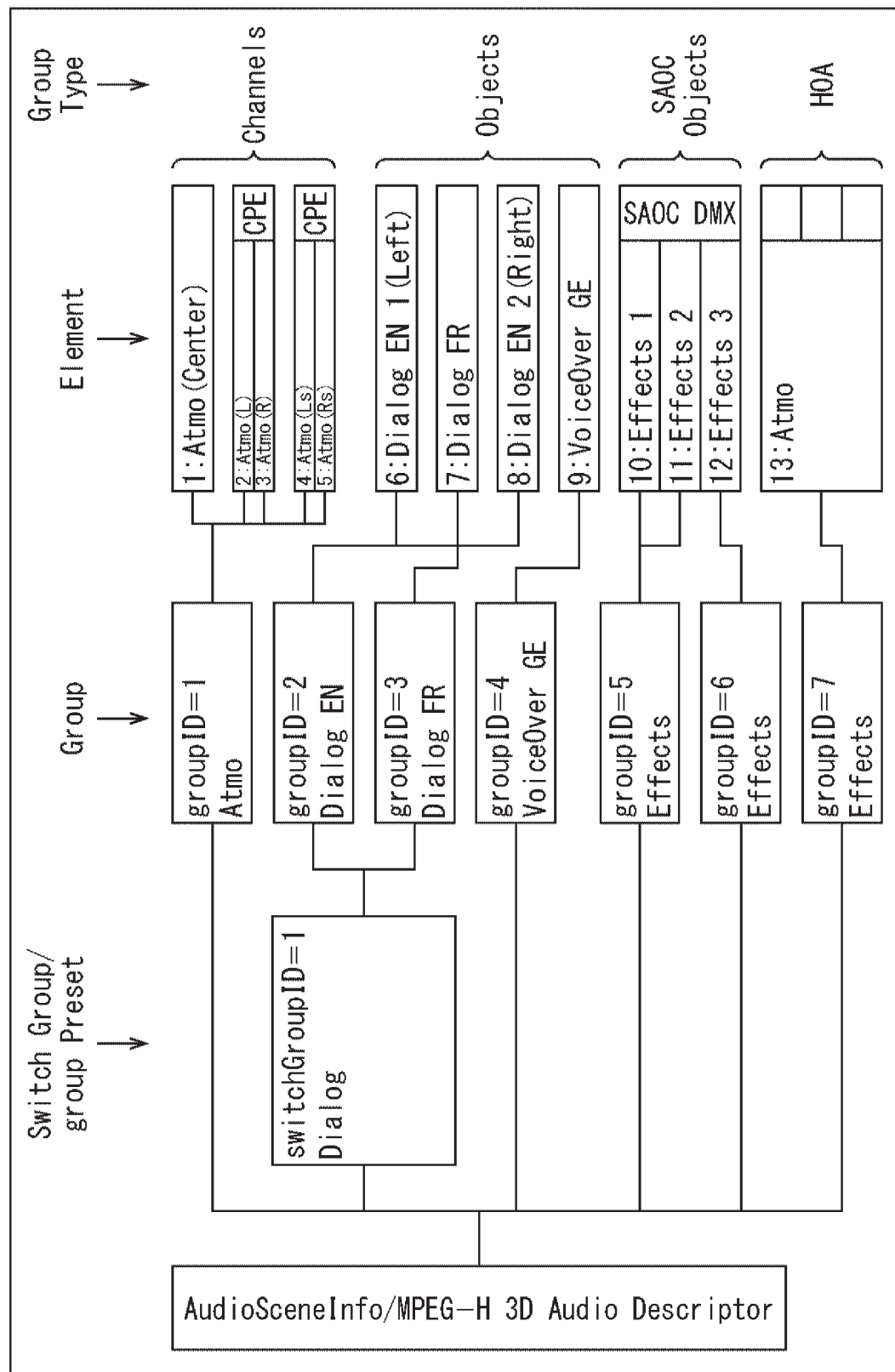


FIG. 8

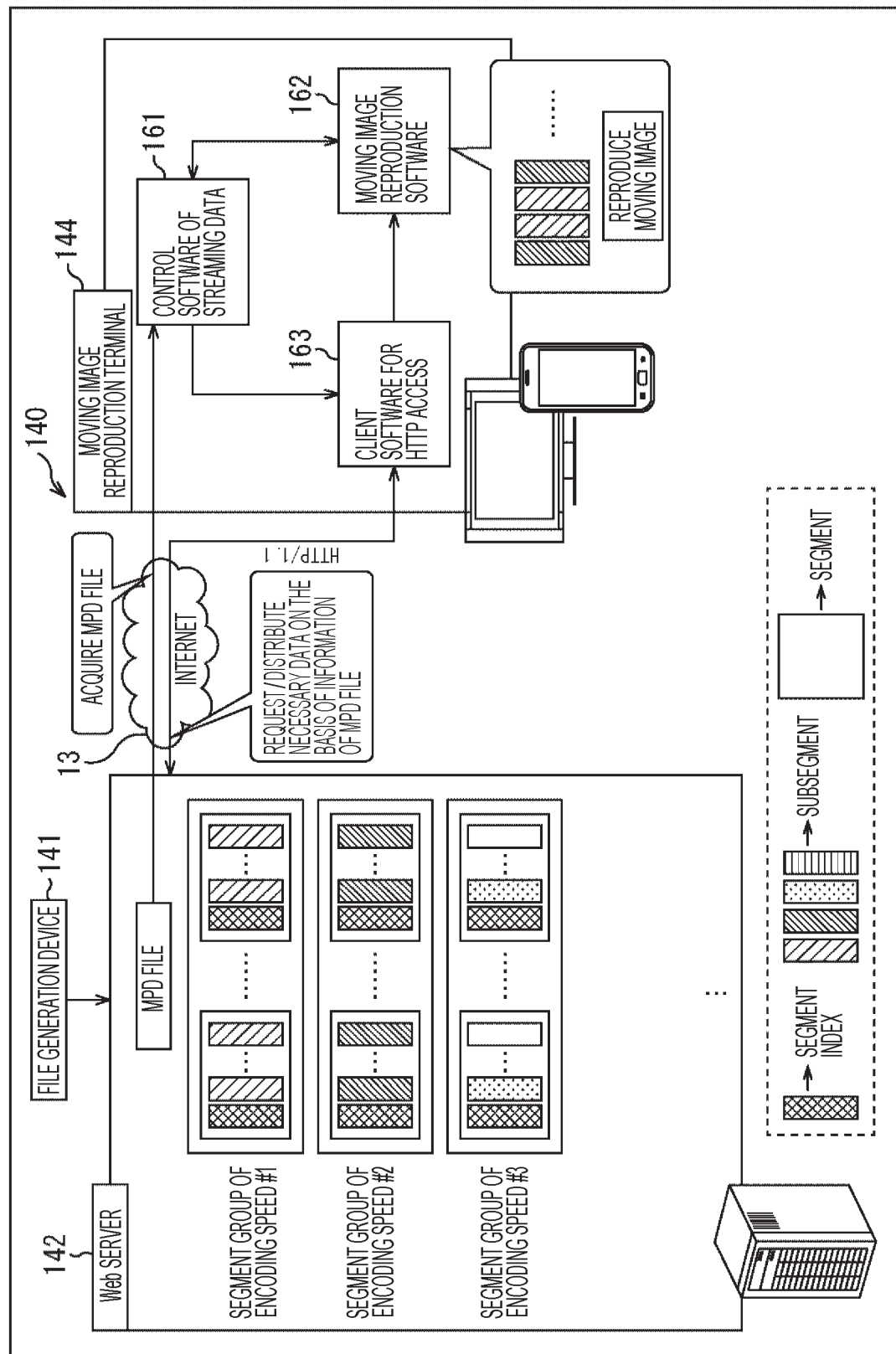


FIG. 9

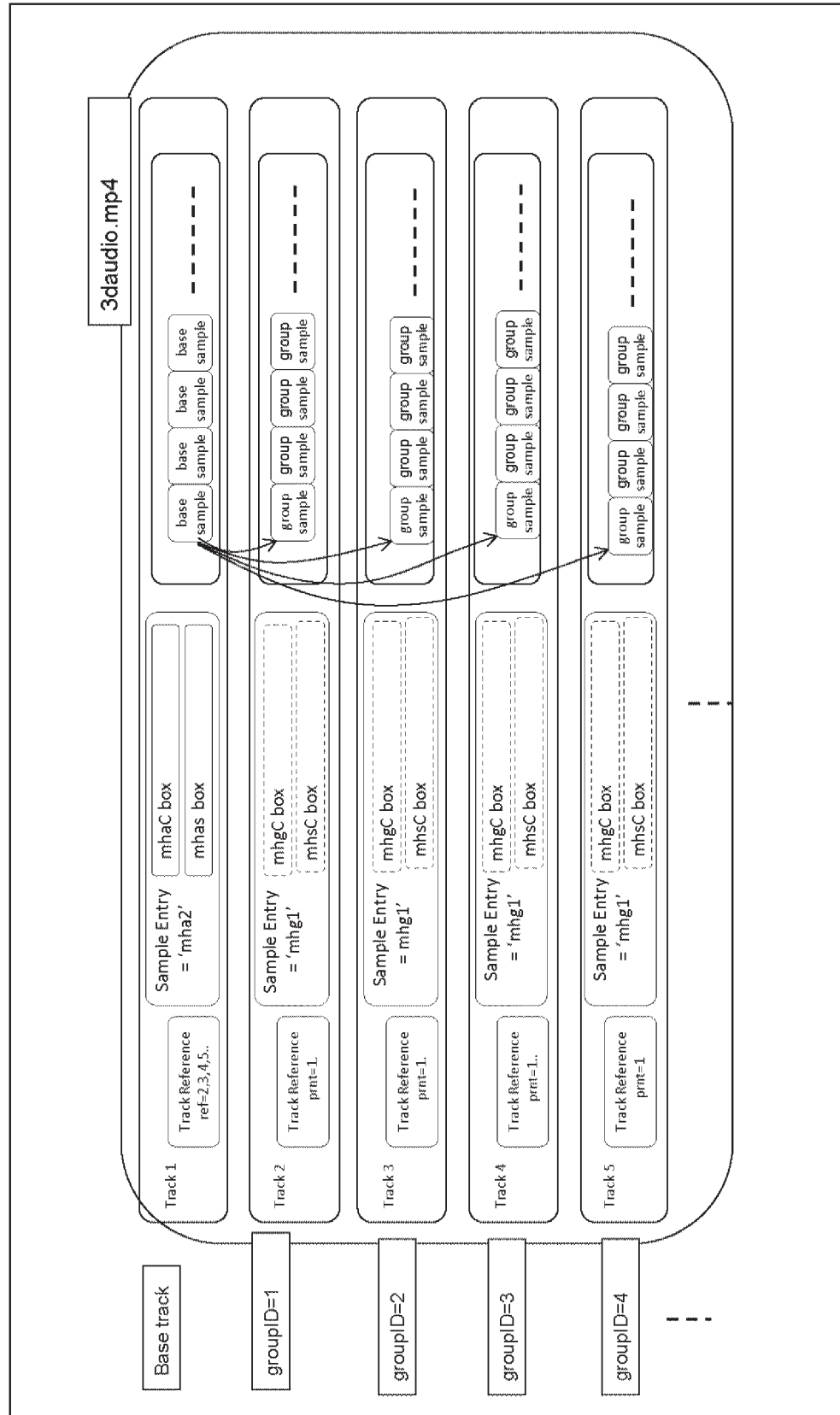


FIG. 10

```
class MHASampleEntry() extends AudioSampleEntry('mha2') {
    MHAConfigurationBox config;
    MHAASceneInfo config; // optional
    MPEG4BitRateBox(); // optional
    MPEG4ExtensionDescriptorsBox (); // optional
}

class MHAASceneInfo Box() extends Box('mhas') {
    MHAASceneInfo() MHAConfig;
}

aligned(8) class MHAASceneInfo {
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) mae_AudioSceneInfoLength;
    bit(8*AudioSceneInfoLength) mae_AudioSceneInfo;
}
```

FIG. 11

```
class MHAGroupSampleEntry() extends AudioSampleEntry('mhg1') {
    MHAConfigurationBox config;
    MHAGroupDefinition definition;
    MHASwitchGroupDefinition definition;
    MPEG4BitRateBox();
    MPEG4ExtensionDescriptorsBox ();
}

class MHAGroupDefinitionBox() extends Box('mhgC') {
    MHAGroupDefinition () MHADefine;
}

aligned(8) class MHAGroupDefinition {
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) GroupGroupDefinitionLength;
    bit(8* GroupGroupDefinitionLength) mae_GroupDefinition ;
}

class MHASwitchGroupGroupDefinitionBox() extends Box('mhsC') {
    MHASwitchGroupGroupDefinition () MHADefine ;
}

aligned(8) class MHASwitchGroupGroupDefinition {
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) SwitchGroupDefinitionLength;
    bit(8* SwitchGroupDefinitionLength) mae_SwitchGroupDefinition;
}
```

FIG. 12

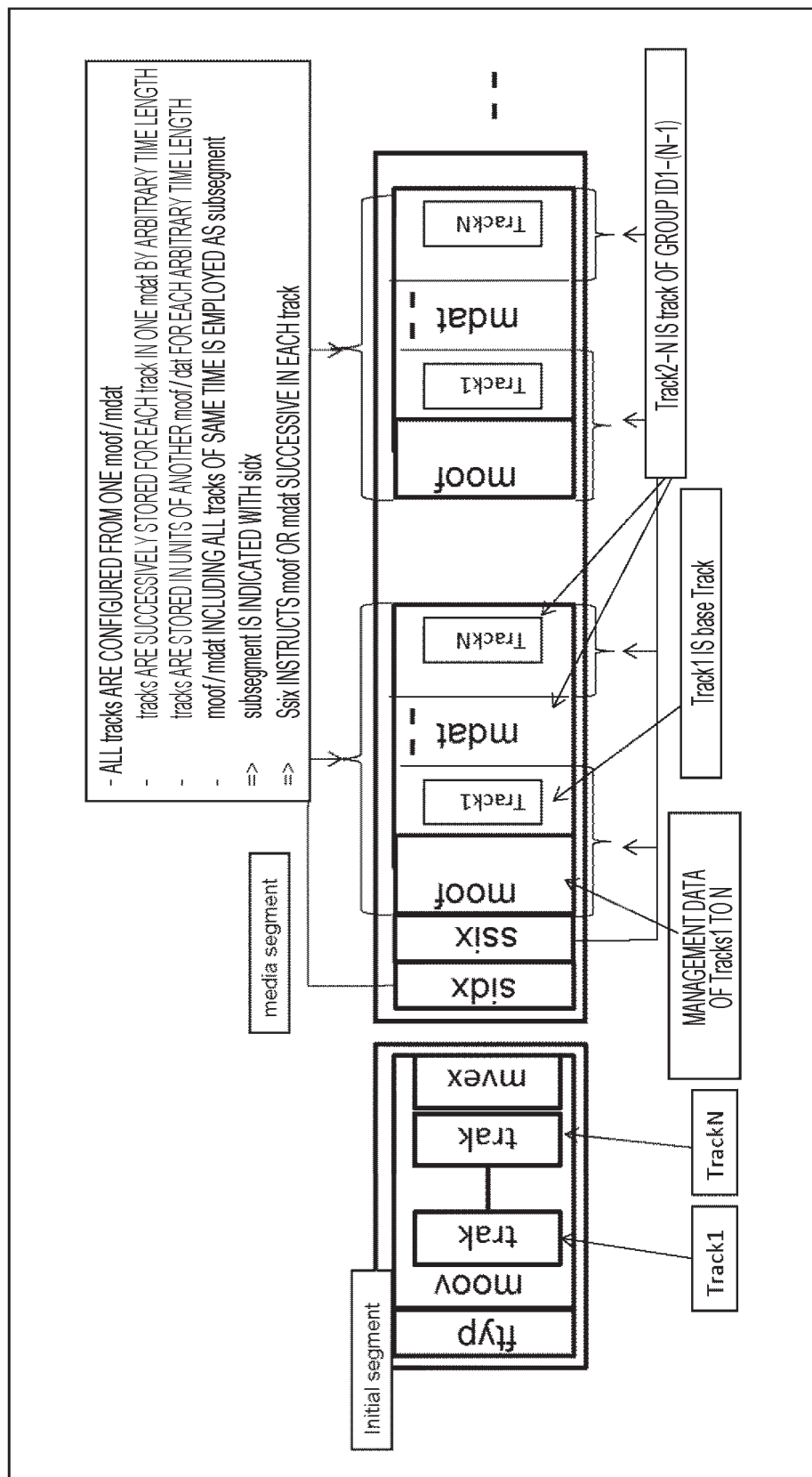


FIG. 13

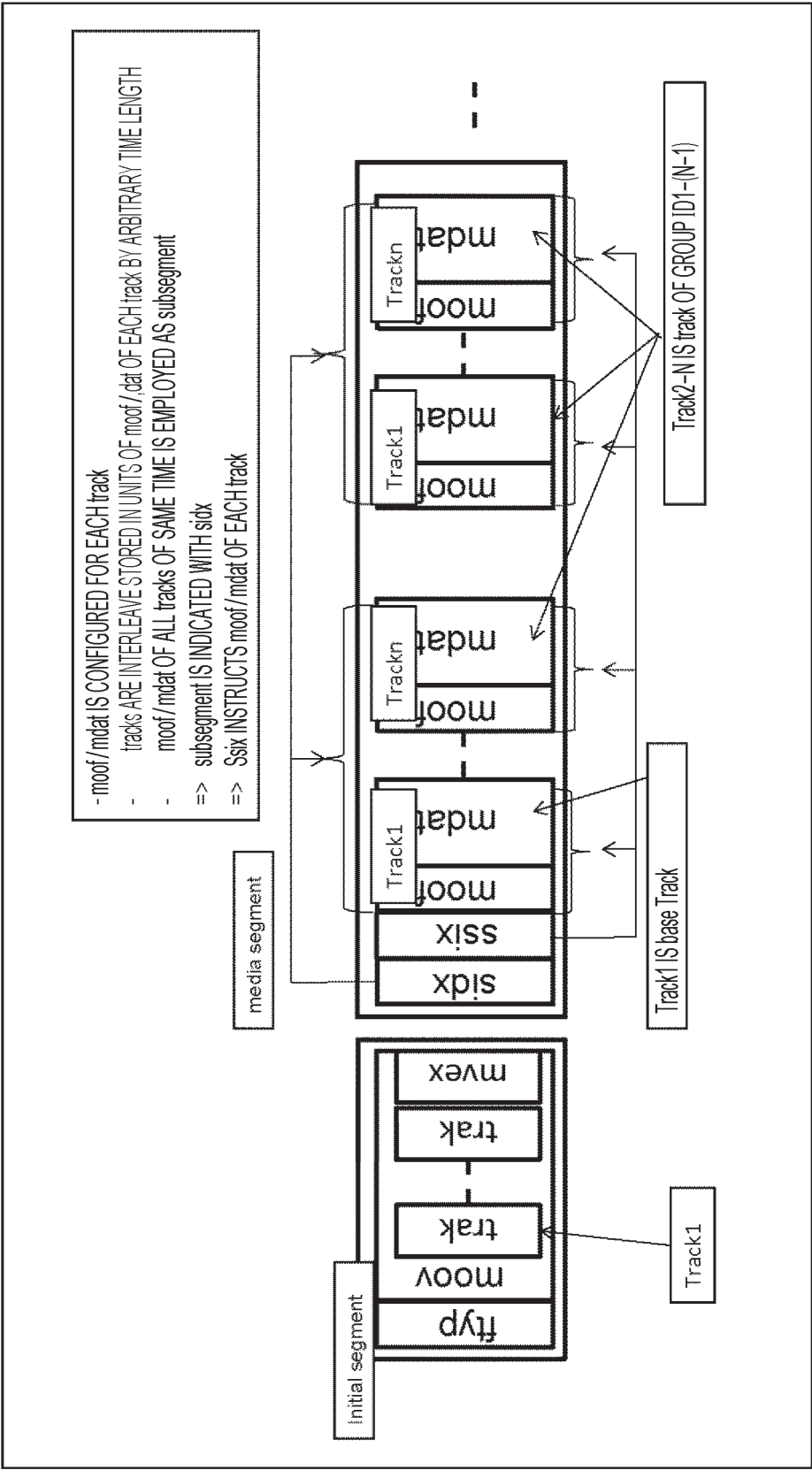


FIG. 14

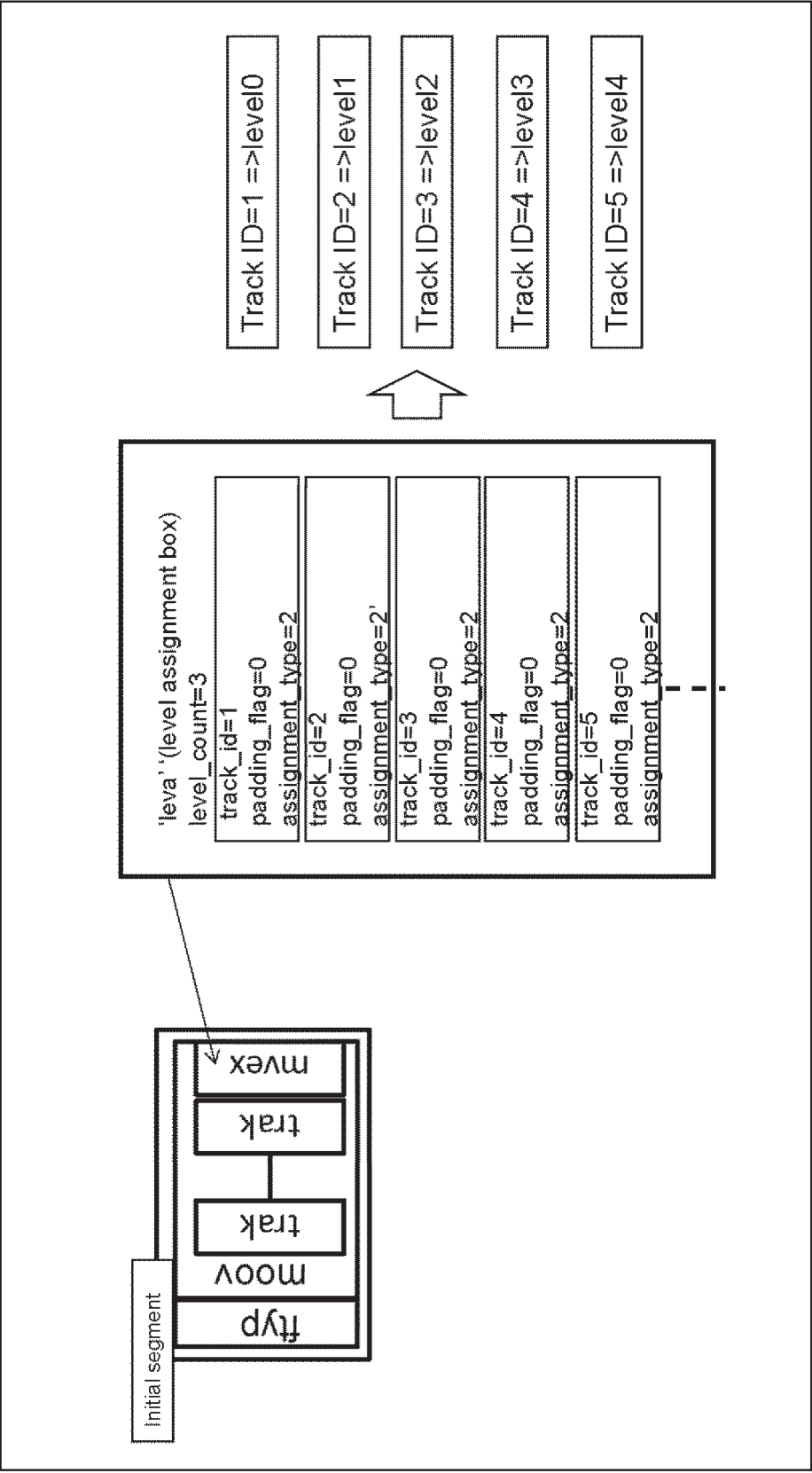
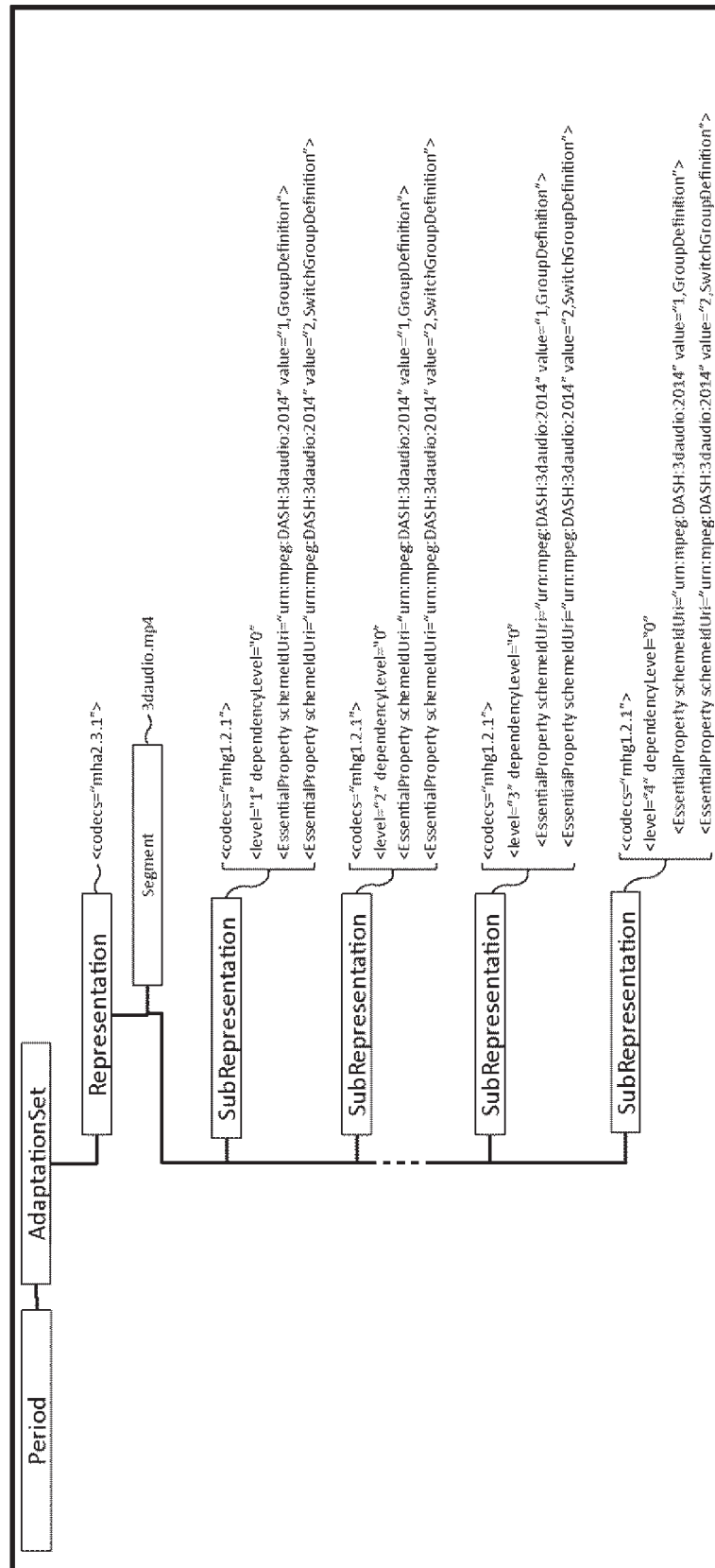
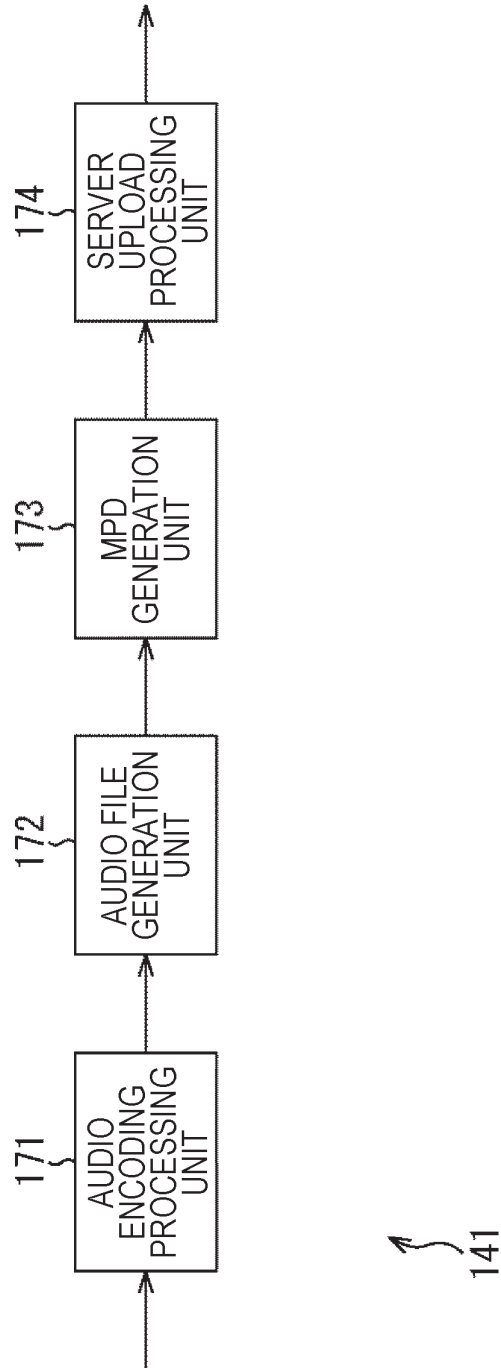


FIG. 15

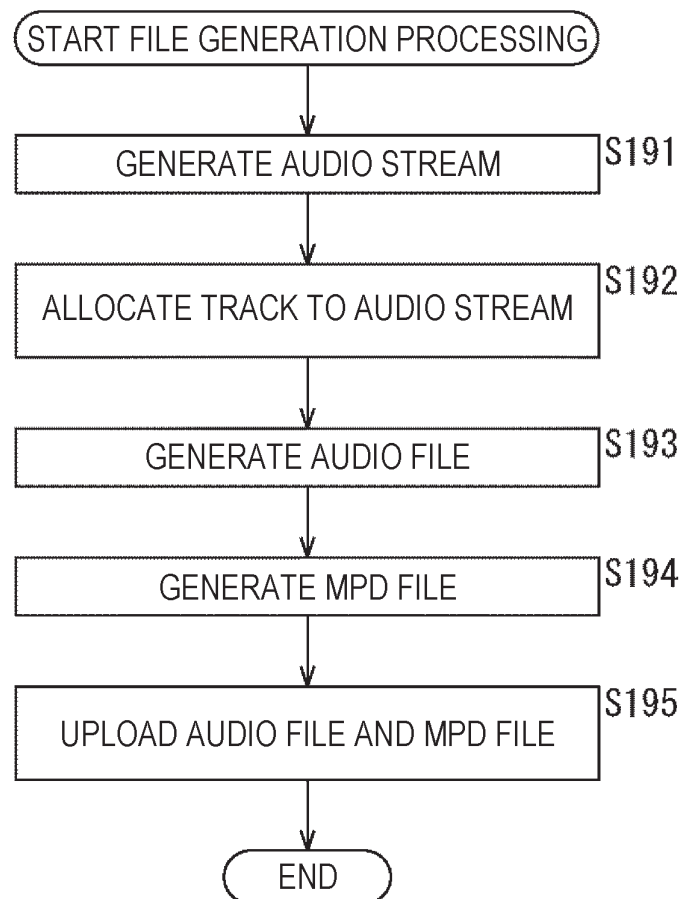


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FIG. 16

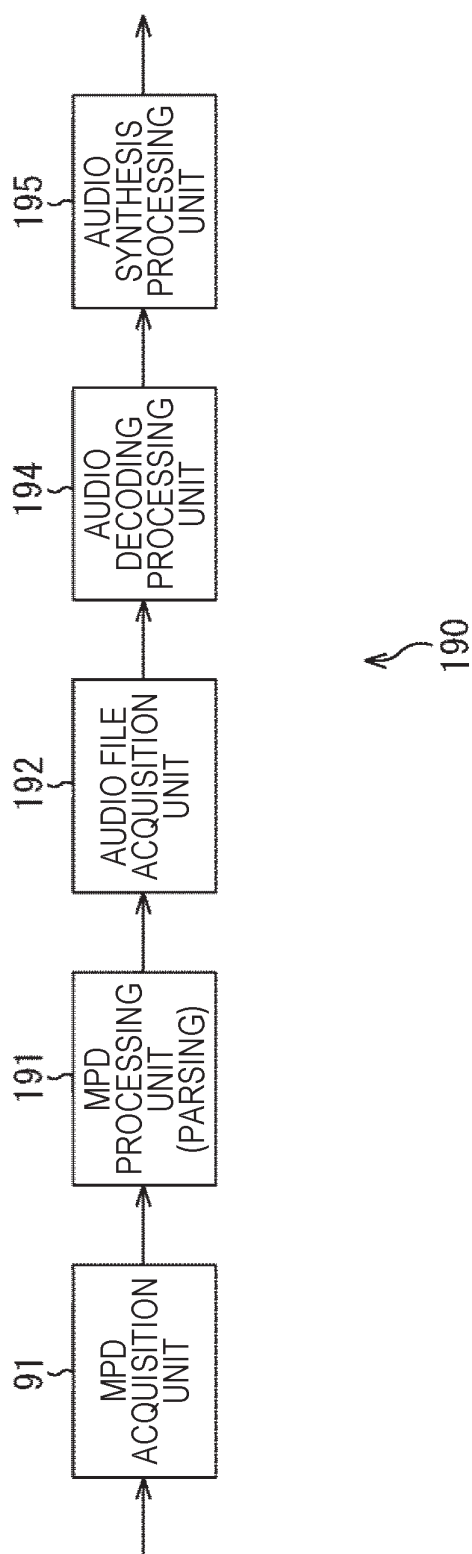


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FIG. 17

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FIG. 18



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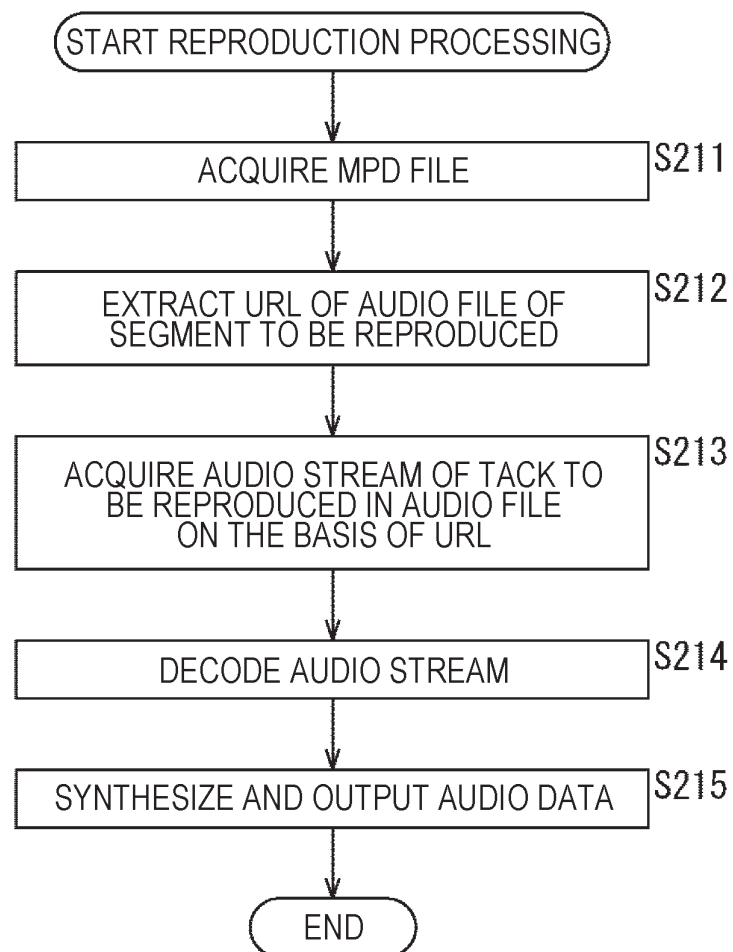
FIG. 19

FIG. 20

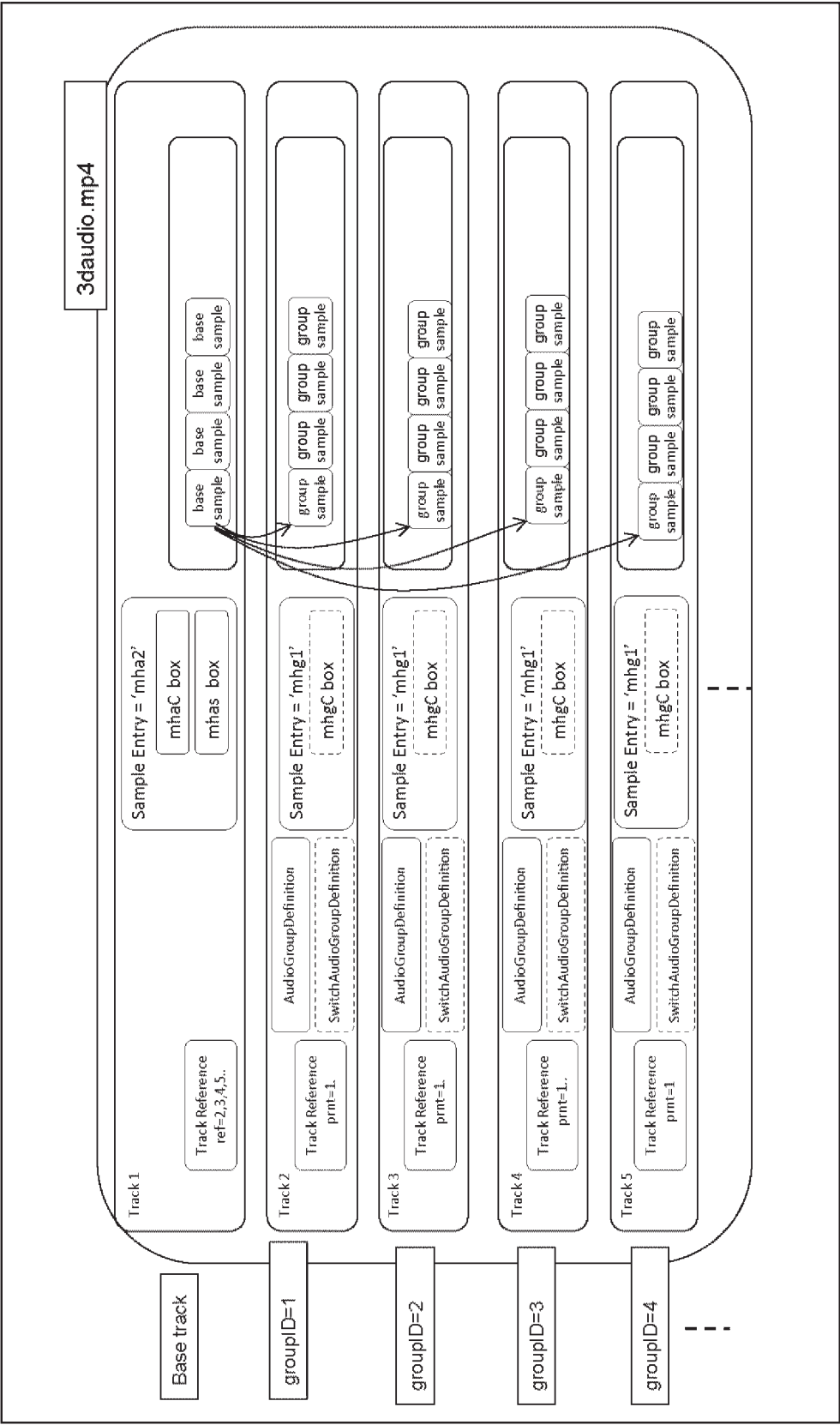


FIG. 21

```
Class AudioGroupDefinitionSampleGroupEntry() extends AudioSampleGroupEntry('sgag')
{
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) GroupDefinitionLength;
    bit(8* GroupDefinitionLength) mae_GroupDefinition;
}

Class AudioSwitchGroupDefinitionSampleGroupEntry() extends AudioSampleGroupEntry('sgsg')
{
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) SwitchGroupDefinitionLength;
    bit(8* GroupDefinitionLength) mae_SwitchGroupDefinition;
}
```

FIG. 22

```
class MHAGroupAudioSampleEntry() extends AudioSampleEntry('mhg1') {  
    MHAGroupAudioConfigurationBox config;  
    MPEG4BitRateBox();           // optional  
    MPEG4ExtensionDescriptorsBox (); // optional  
}  
  
class MHAGroupAudioConfigurationBox() extends Box('mhgC') {  
    MHAGroupAudioDecoderConfigurationRecord() MHAGAConfig;  
}  
  
aligned(8) class MHAGroupAudioDecoderConfigurationRecord {  
    unsigned int(8) configurationVersion = 1;  
    unsigned int(8) MPEG4AudioProfile;  
    unsigned int(8) MPEG4AudioLevel;  
    unsigned int(8) object_is_fixed;  
    unsigned int(16) mpeg3daConfigLength;  
    bit(8*mpeg3daConfigLength) mpeg3daConfig;  
}
```

FIG. 23

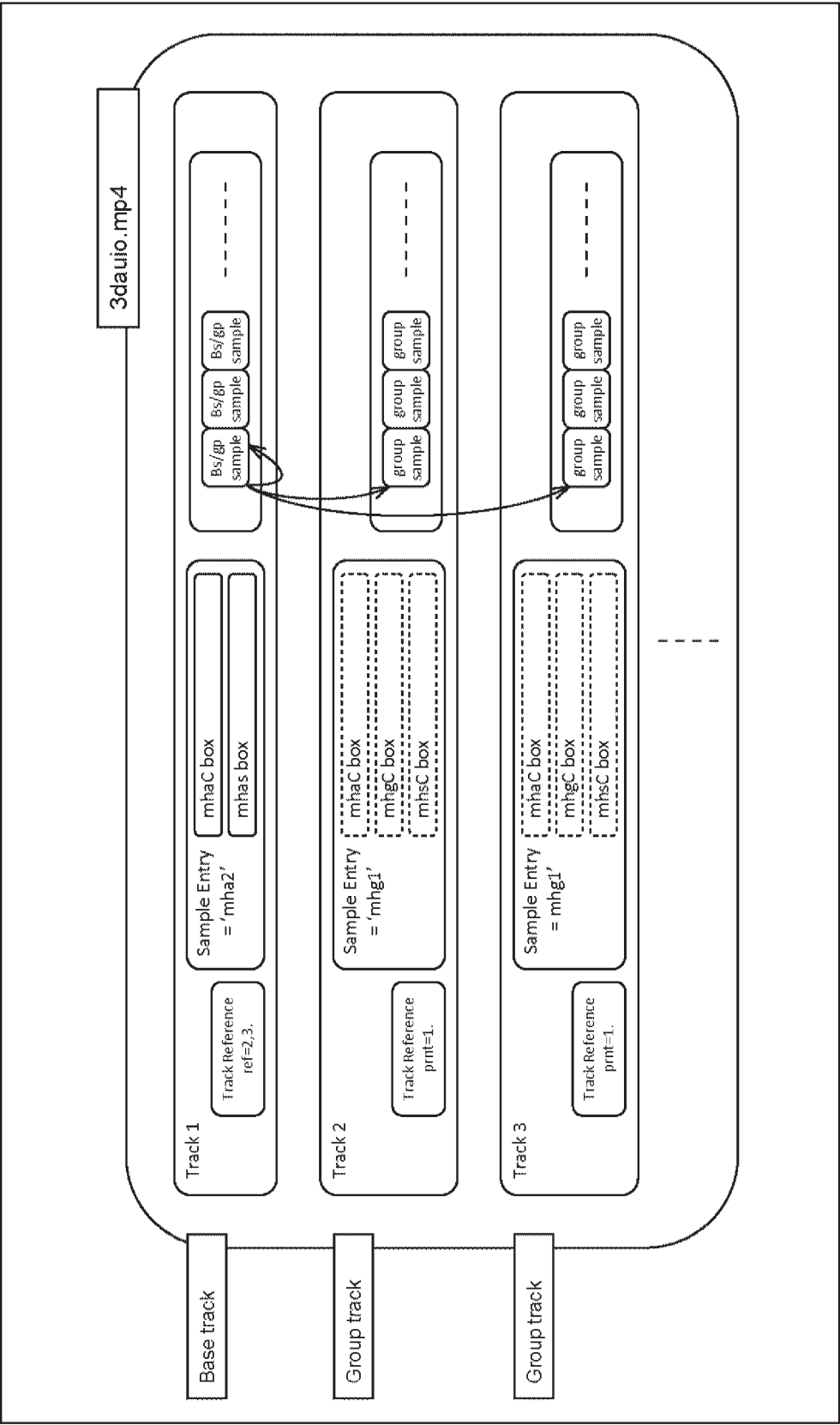


FIG. 24

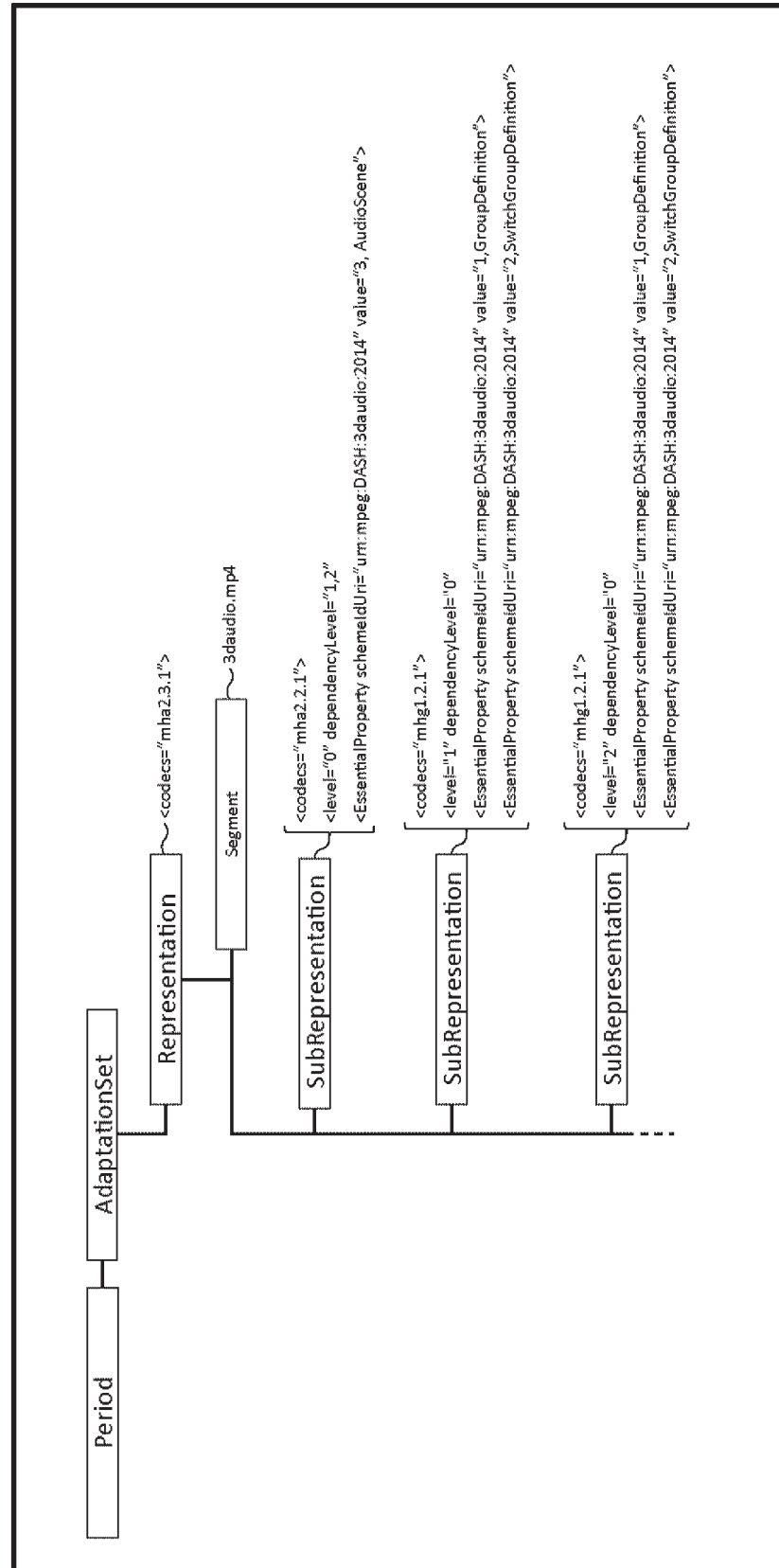


FIG. 25

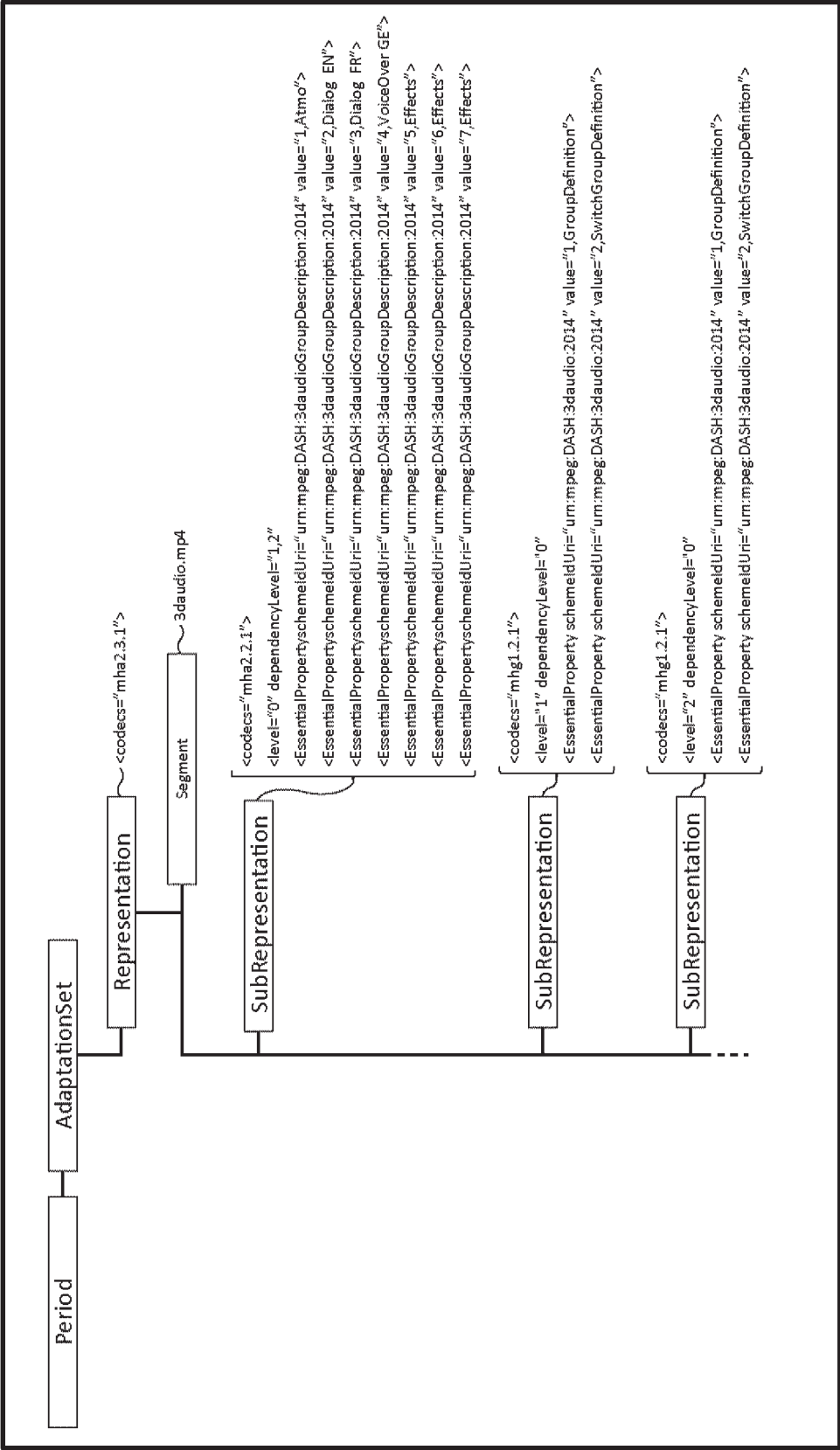


FIG. 26

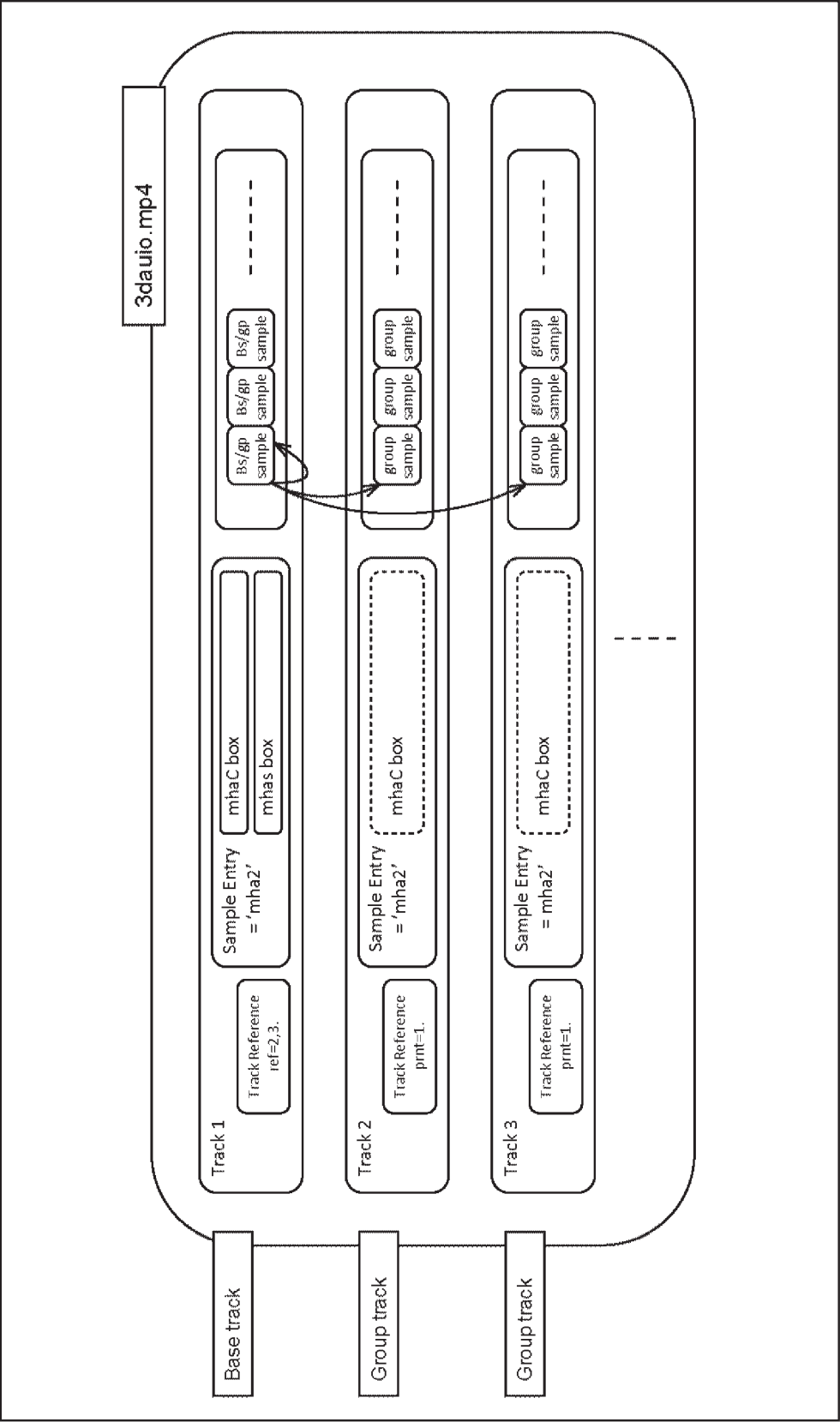


FIG. 28

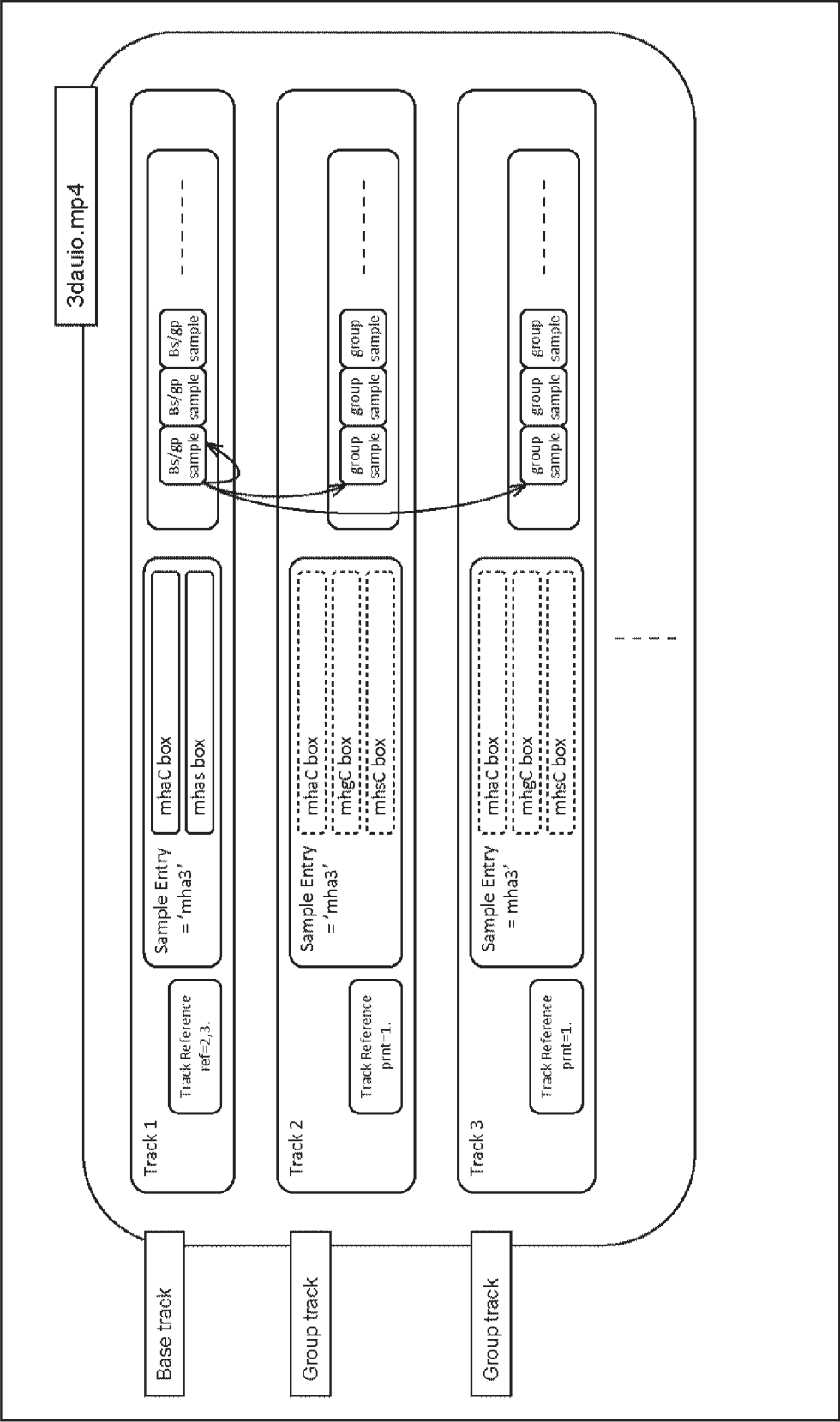


FIG. 29

```

class MHASampleEntry() extends AudioSampleEntry('mha3') {
    MHAConfigurationBox config;
    MHAASceneInfo config; //optional
    MHAGroupDefinition define; //optional
    MHASwitchGroupDefinition define; //optional
    MPEG4BitRateBox();
    MPEG4ExtensionDescriptorsBox (); // optional
}

class MHAASceneInfo Box() extends Box('mhas') {
    MHAASceneInfo() MHAConfig;
}

aligned(8) class MHAASceneInfo {
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) mae_AudioSceneInfoLength;
    bit(8*AudioSceneInfoLength) mae_AudioSceneInfo;
}

class MHAGroupDefinitionBox() extends Box('mhgC') {
    MHAGroupDefinition () MHADefine;
}

aligned(8) class MHAGroupDefinition {
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) GroupGroupDefinitionLength;
    bit(8* GroupGroupDefinitionLength) mae_GroupGroupDefinition;
}

class MHASwitchGroupGroupDefinitionBox() extends Box('mhsC') {
    MHASwitchGroupGroupDefinition () MHADefine ;
}

aligned(8) class MHASwitchGroupGroupDefinition {
    unsigned int(8) configurationVersion = 1;
    unsigned int(16) SwitchGroupDefinitionLength;
    bit(8* SwitchGroupDefinitionLength) mae_SwitchGroupDefinition;
}

```

FIG. 30

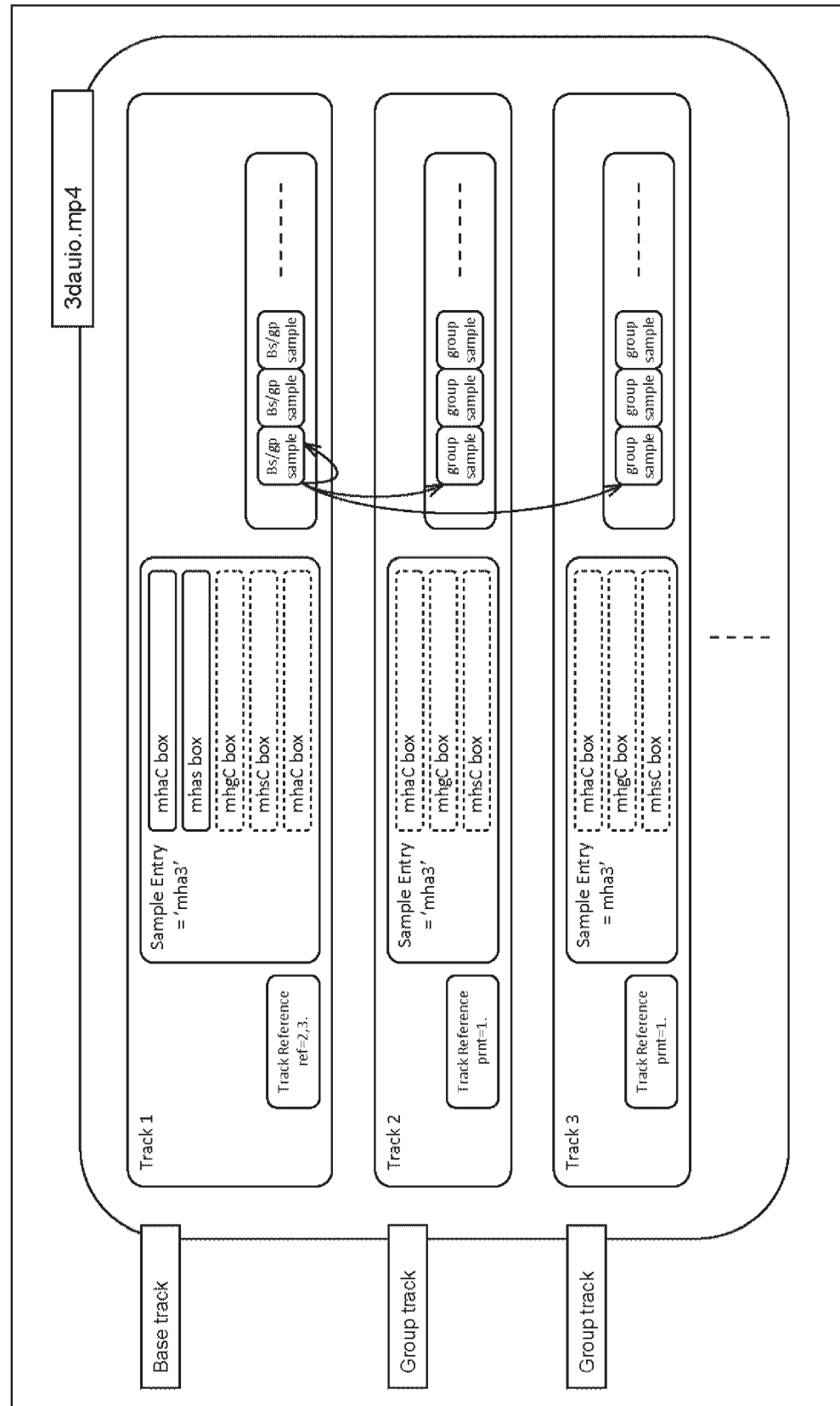


FIG. 31

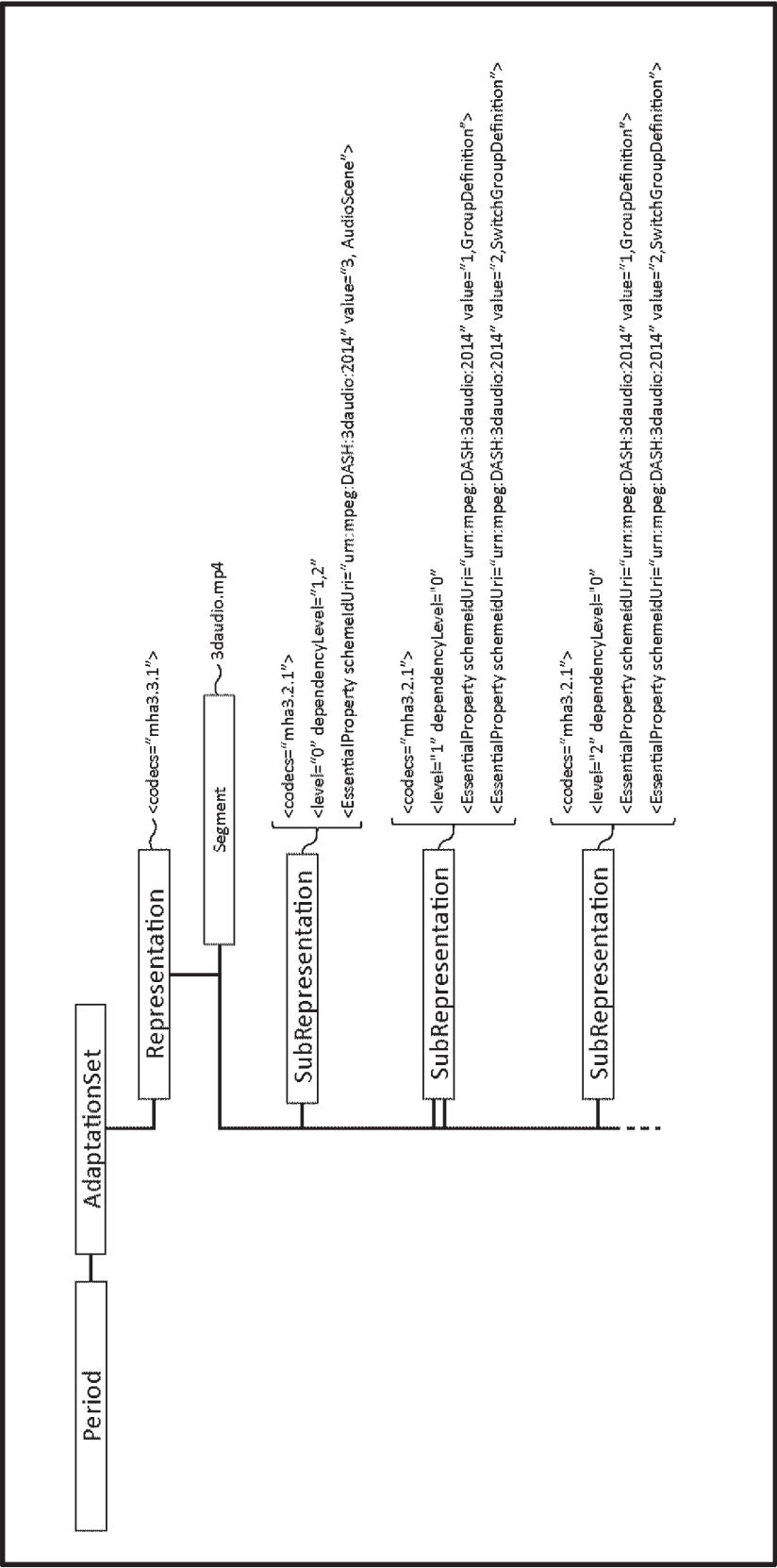


FIG. 32

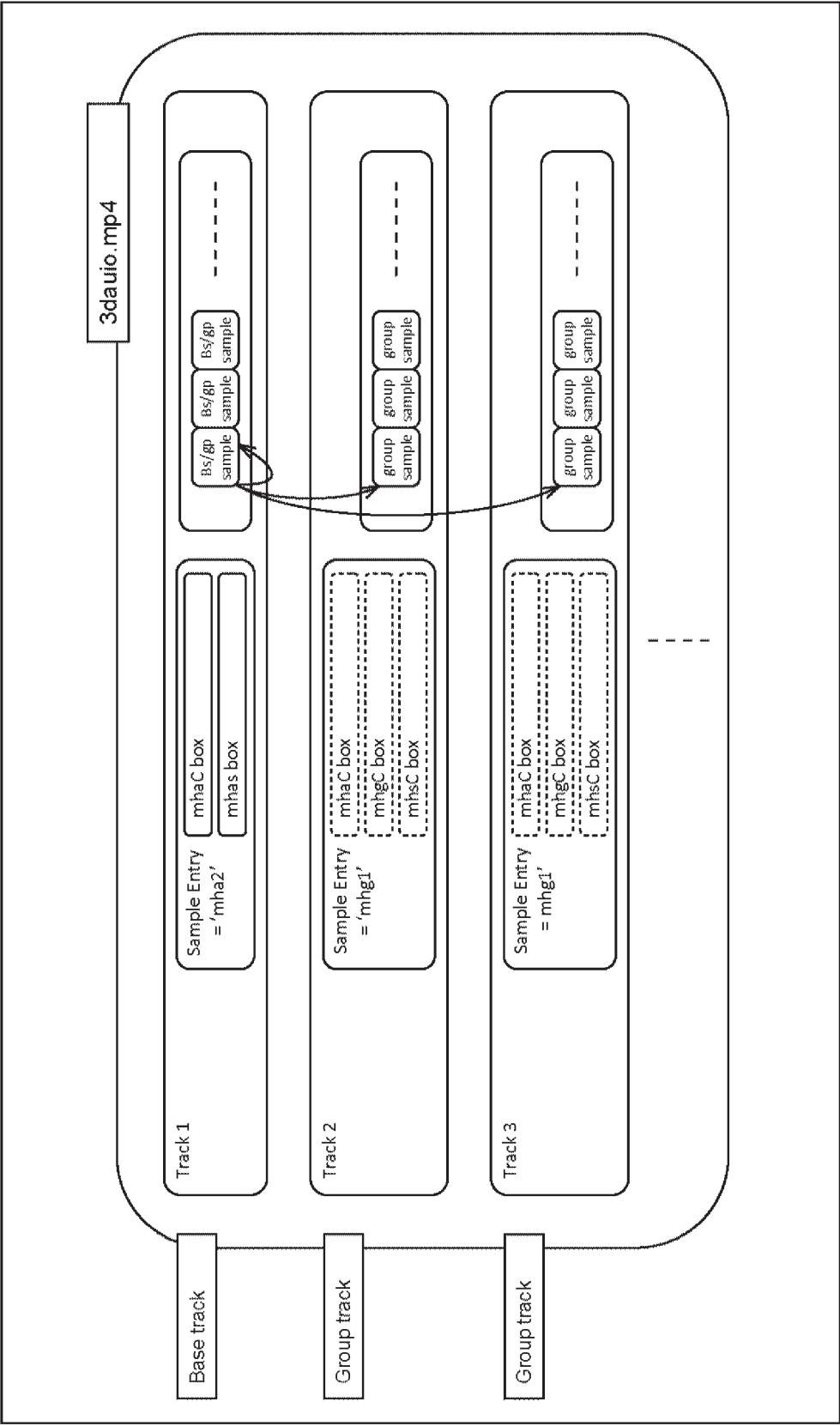


FIG. 33

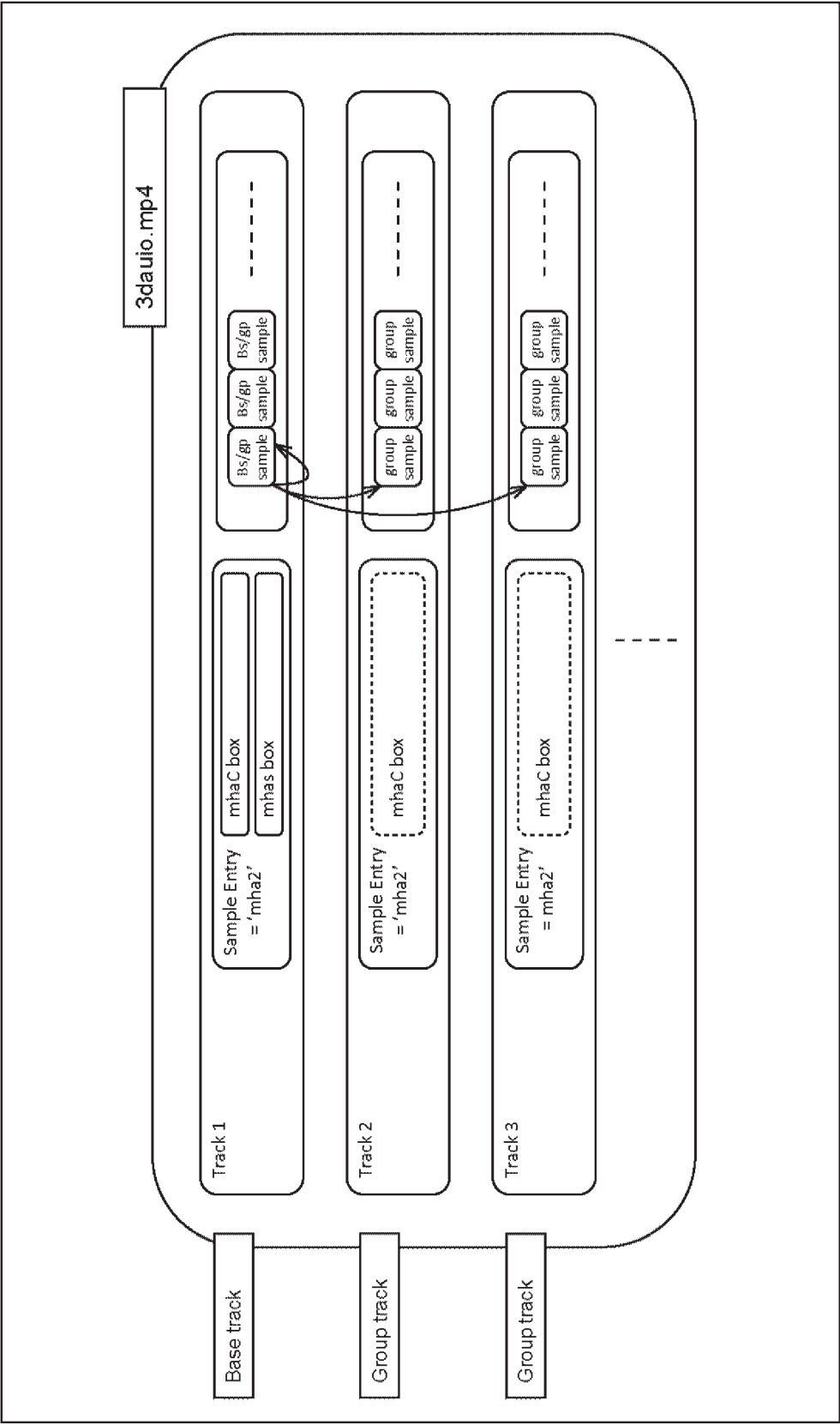


FIG. 34

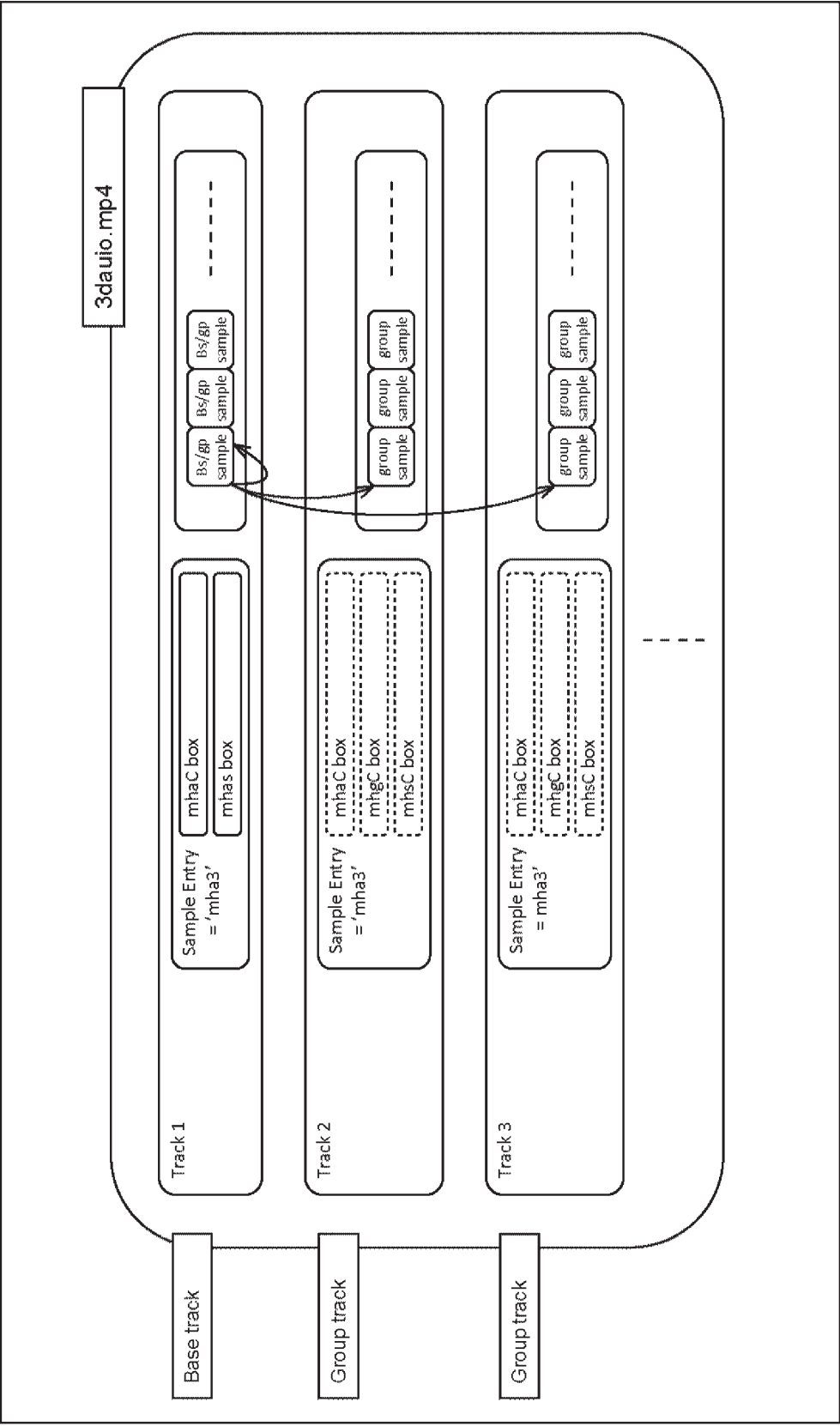


FIG. 35

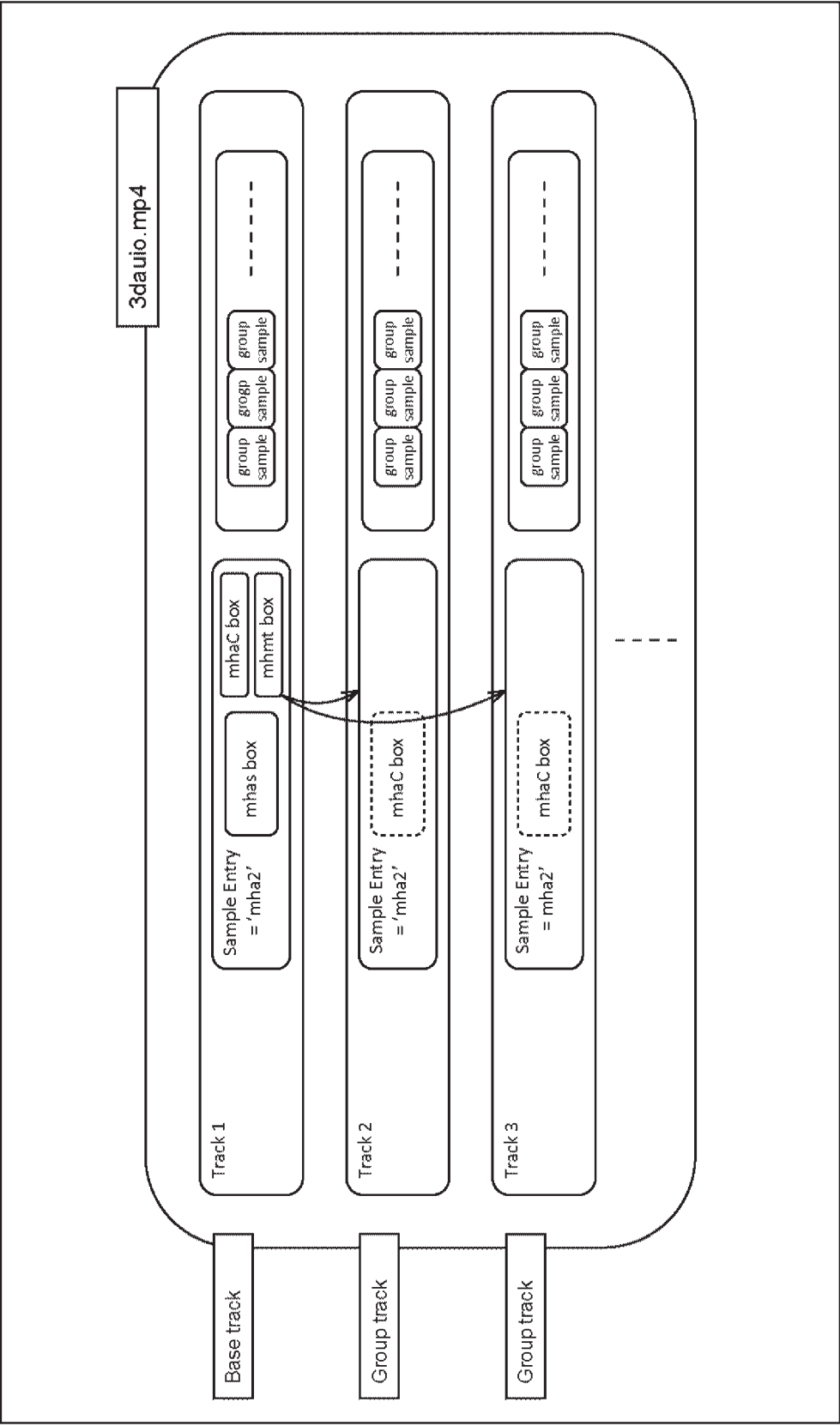


FIG. 36

```
class MHASampleEntry() extends AudioSampleEntry('mha2') {
    MHAConfigurationBox config;           //optional
    MHAASceneInfo config;                 //optional
    MHAMultiTrackDescription desc;
    MPEG4BitRateBox();                   // optional
    MPEG4ExtensionDescriptorsBox ();     // optional
}

class MHAMultiTrackDescription Box() extends Box('mhmt') {
    MHAMultiTrackDescription() MHMTdesc;
}

aligned(8) class MHAMultiTrackDescription {
    unsigned int(16) num_of_entry;
    for (j=0; j < num_of_entry; j++) {
        unsigned int (32) group_ID;
        unsigned int (32) track_ID;
    }
}
```

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FIG. 37

```
class MHASampleEntry() extends
AudioSampleEntry('mha3') {
    MHAConfigurationBox config;
    MHAASceneInfo config;
    //optional
    MHAMultiTrackDescription desc;
    MHAGroupDefinition define;
    //optinal
    MHASwitchGroupDefinition define;
    //optional
    MPEG4BitRateBox();      // optional
    MPEG4ExtensionDescriptorsBox ();
    // optional
}
```

FIG. 38

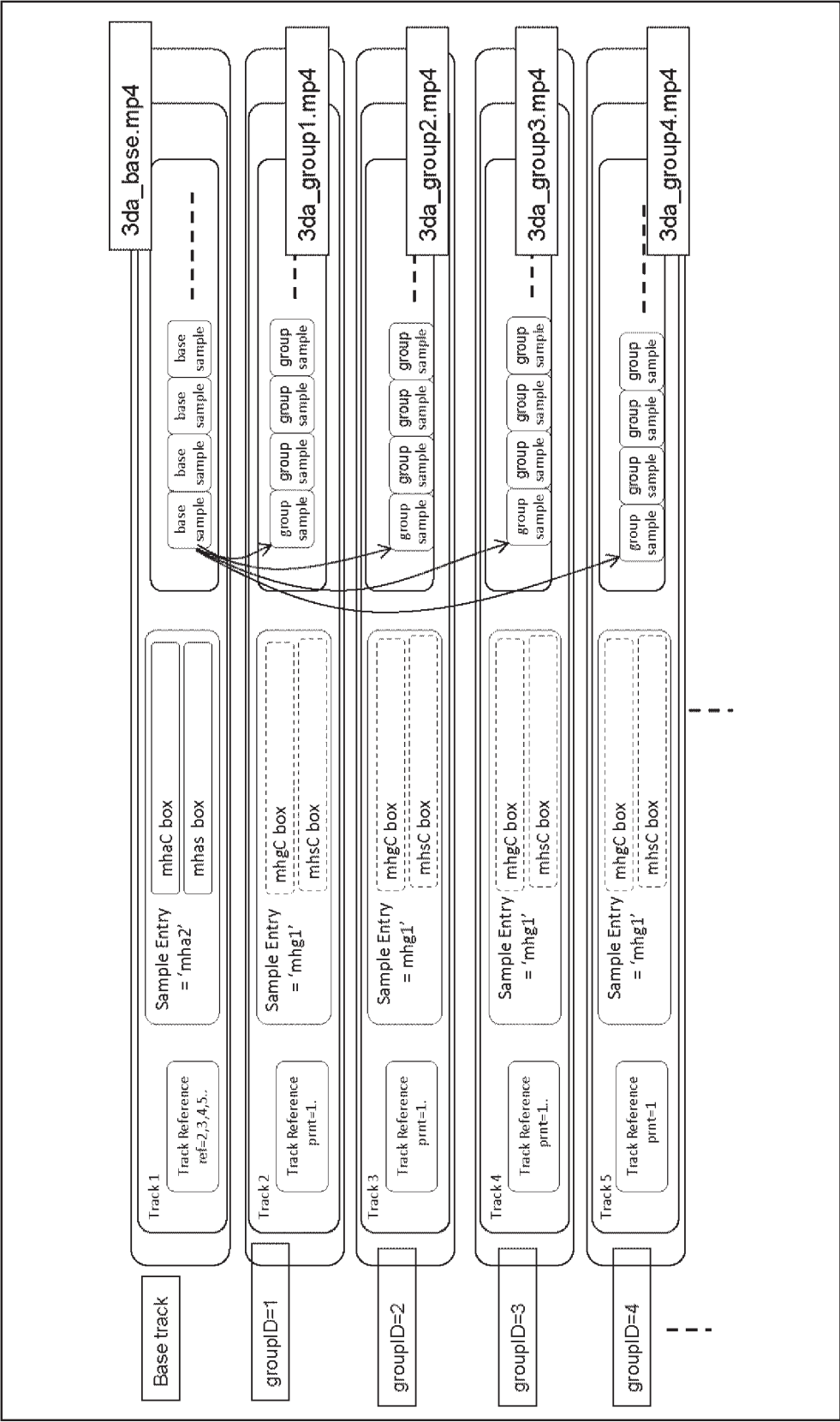


FIG. 39

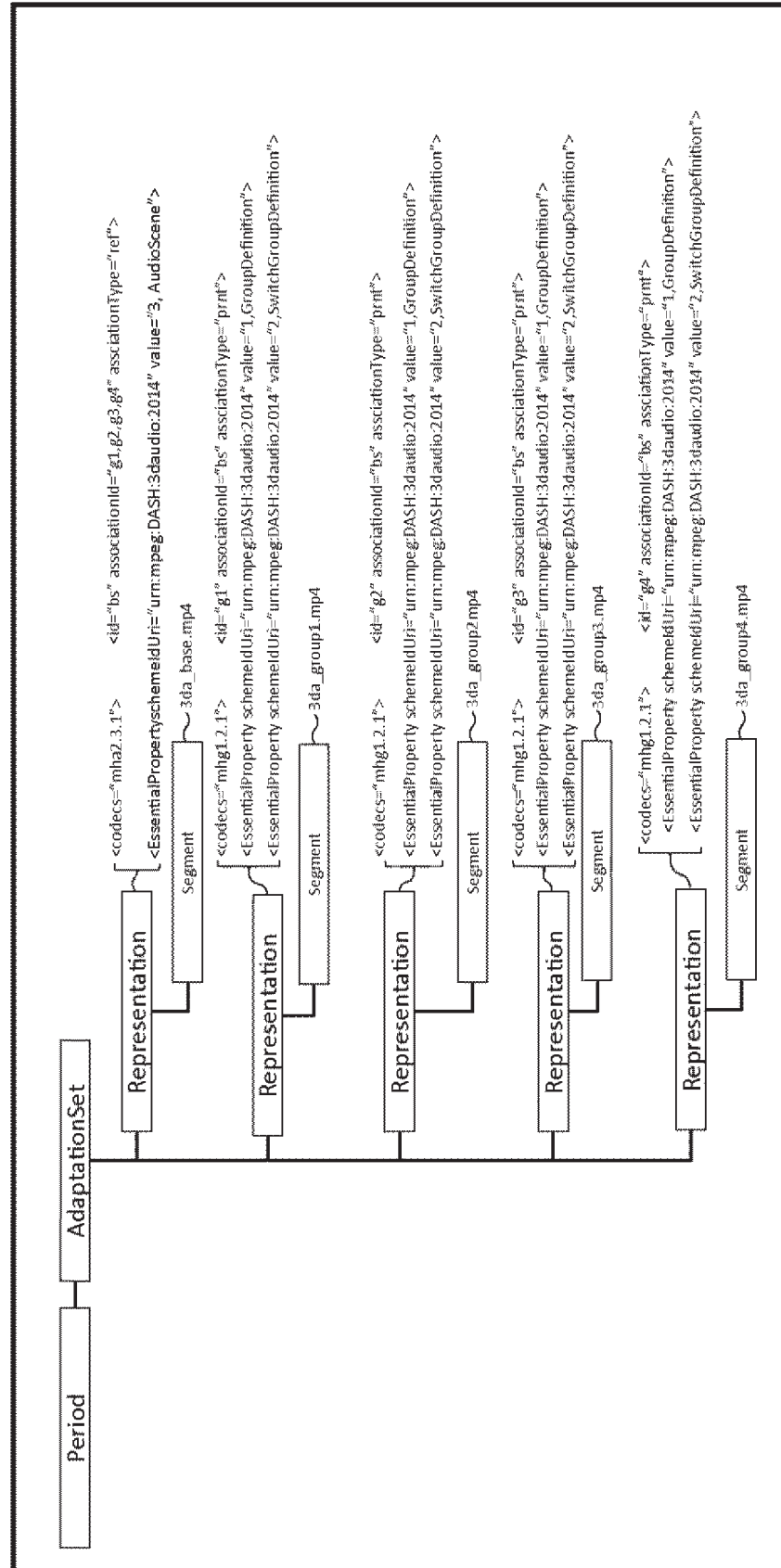
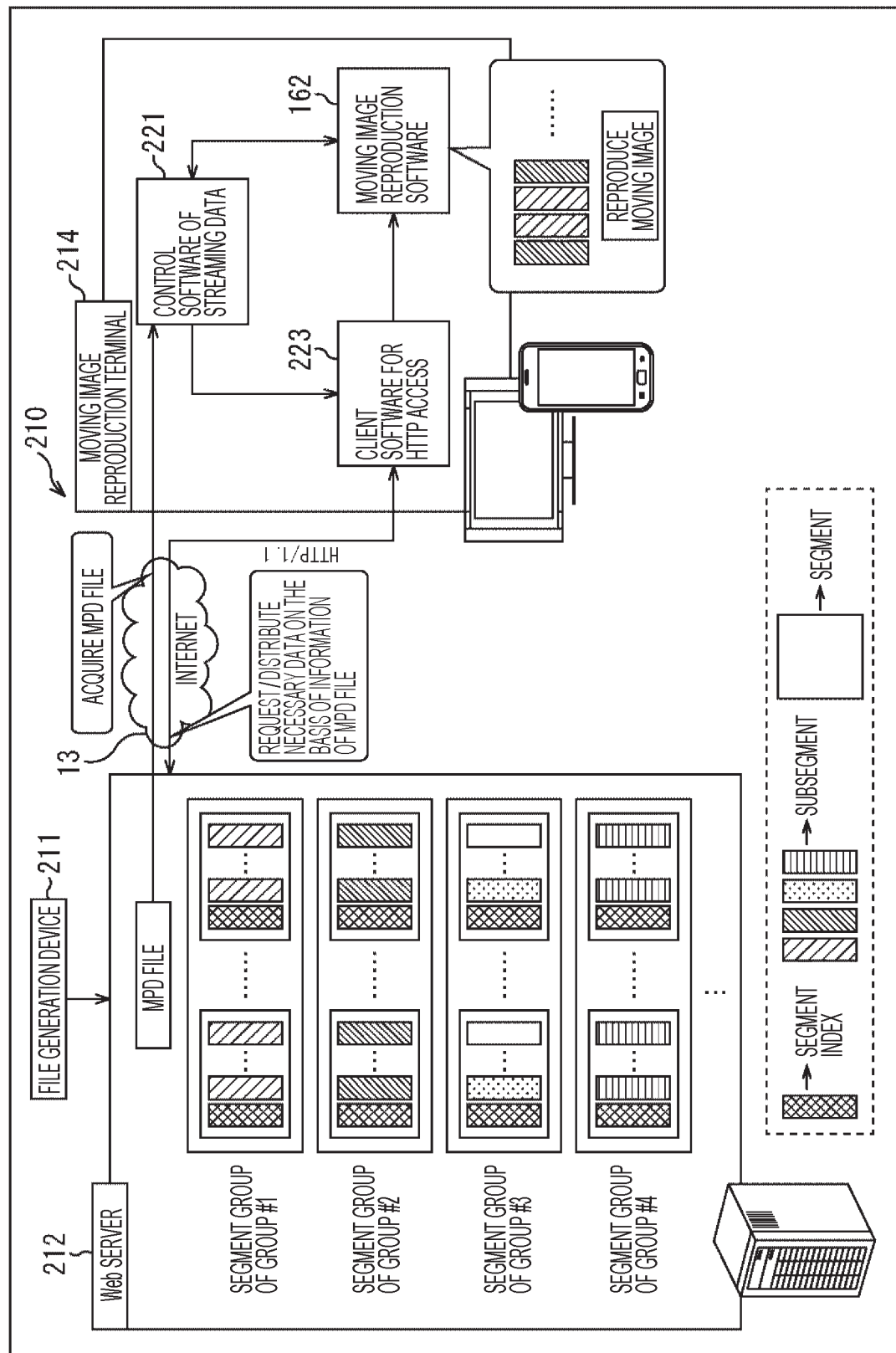
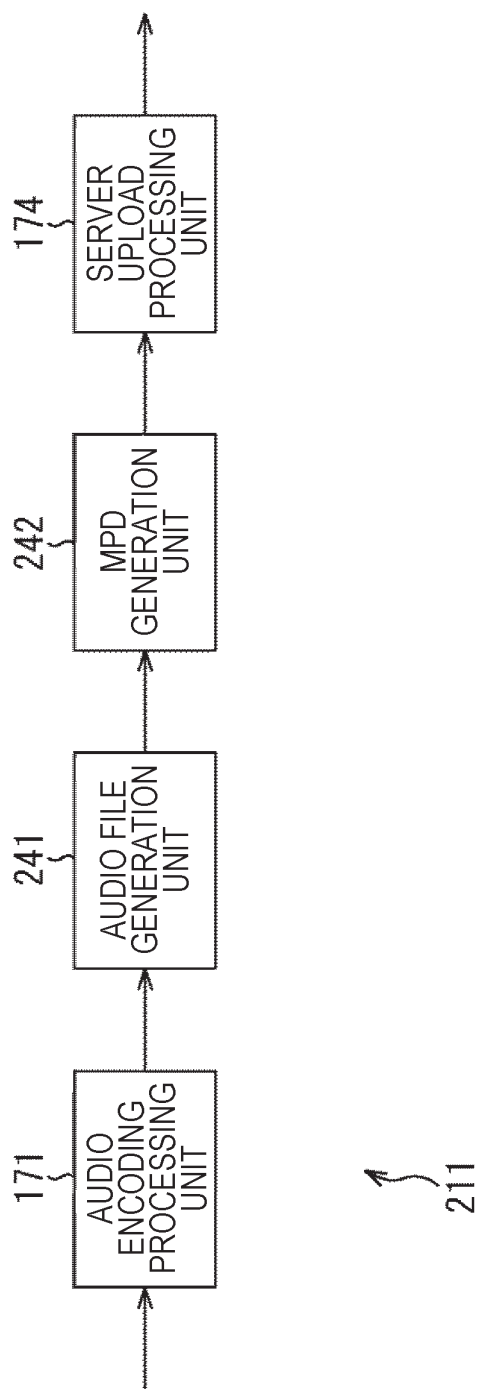


FIG. 40

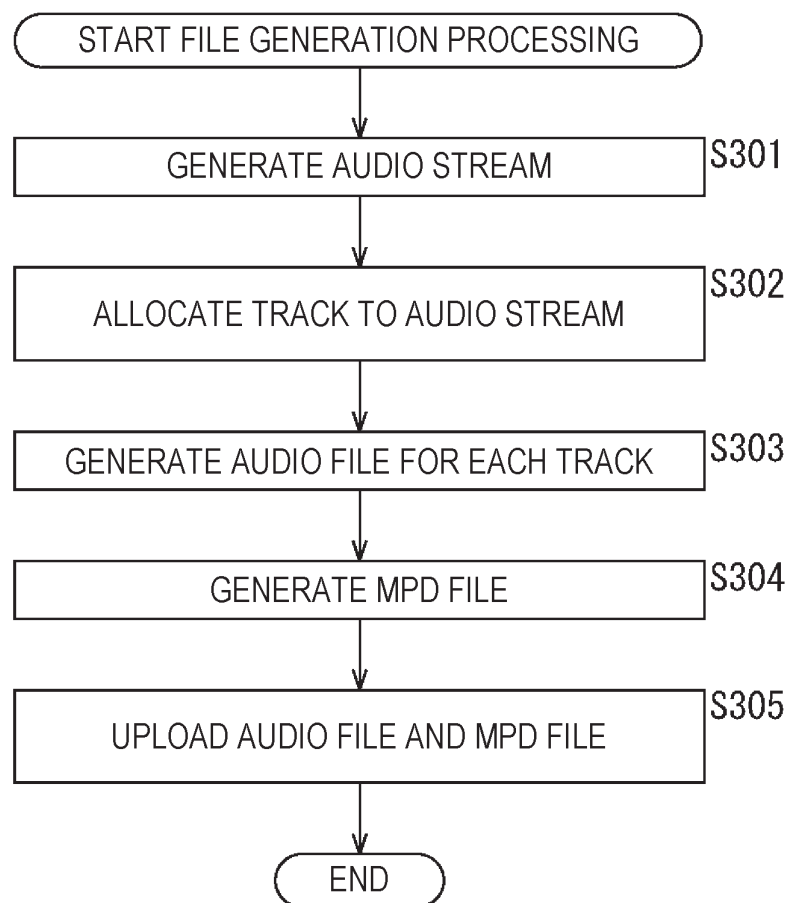


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FIG. 41

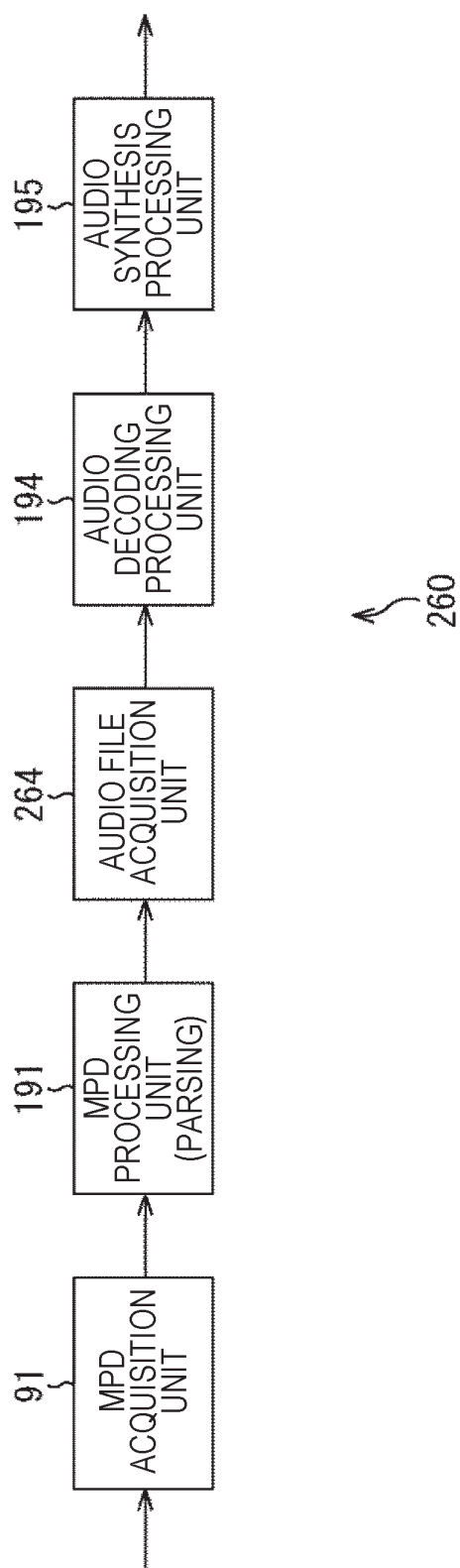


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FIG. 42

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FIG. 43



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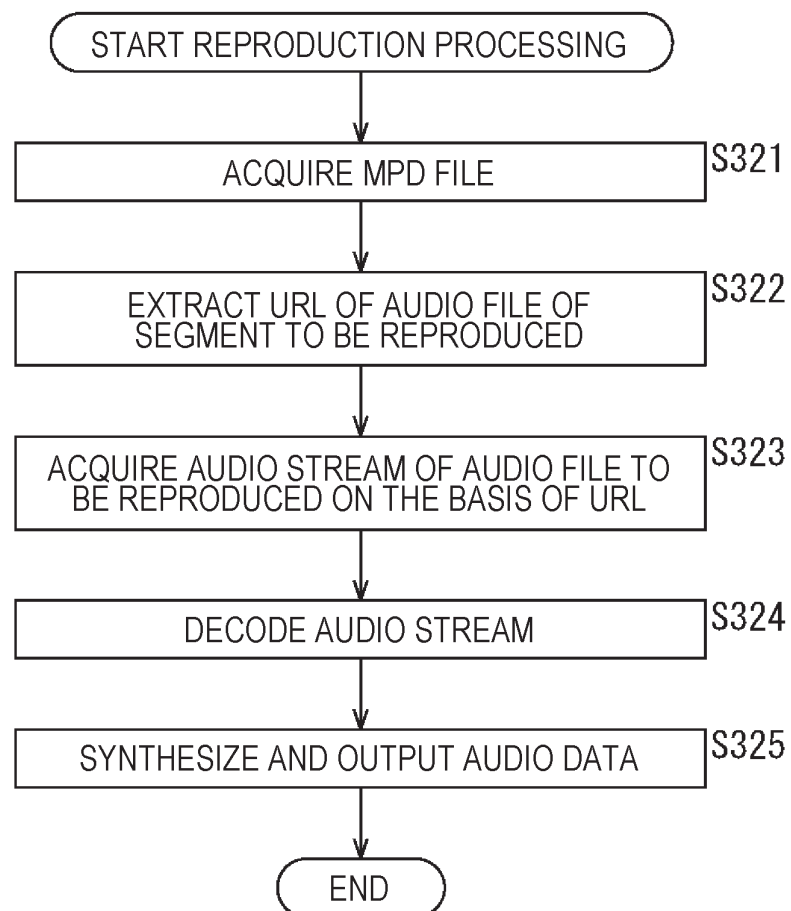
FIG. 44

FIG. 45

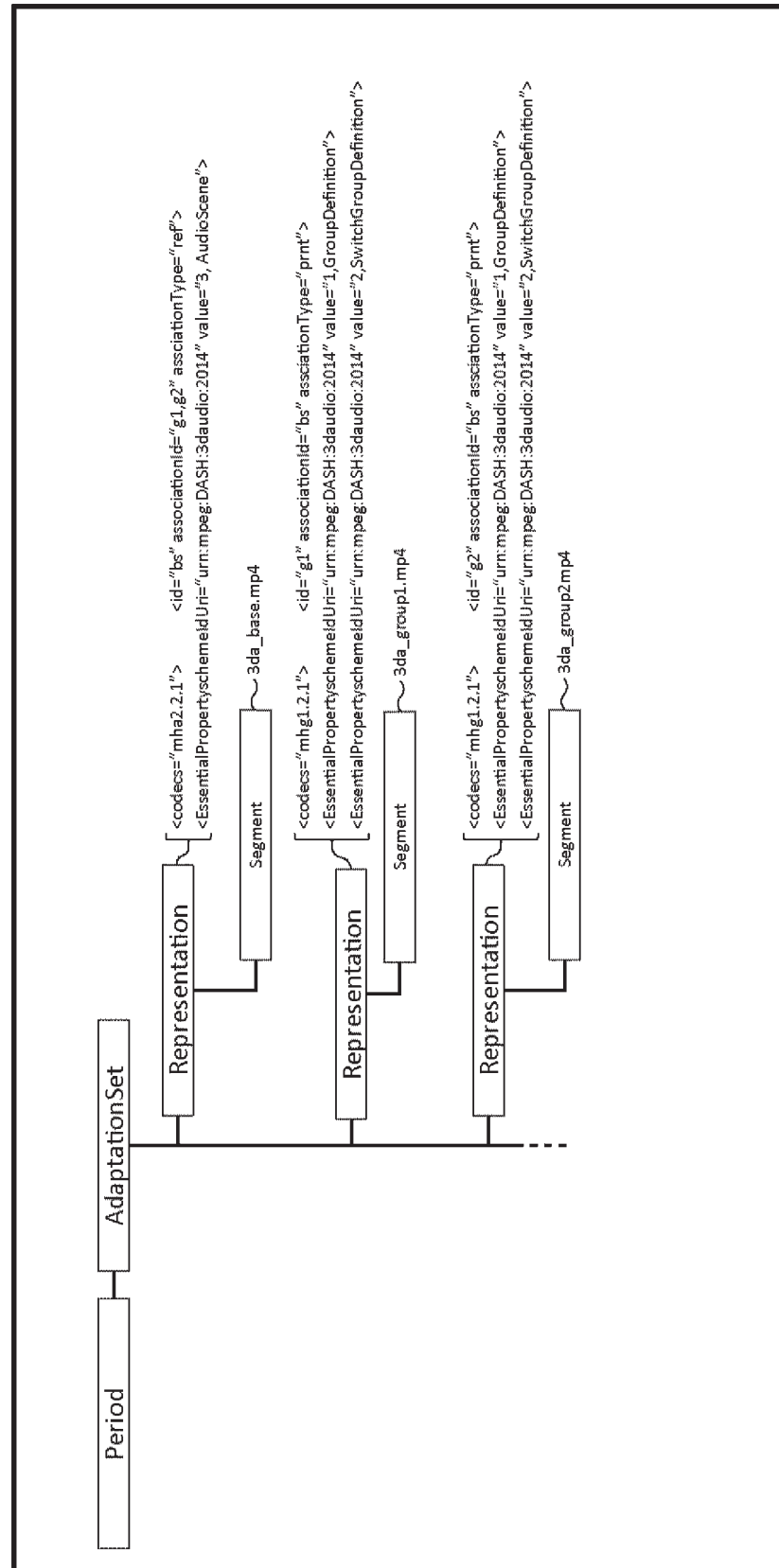


FIG. 46

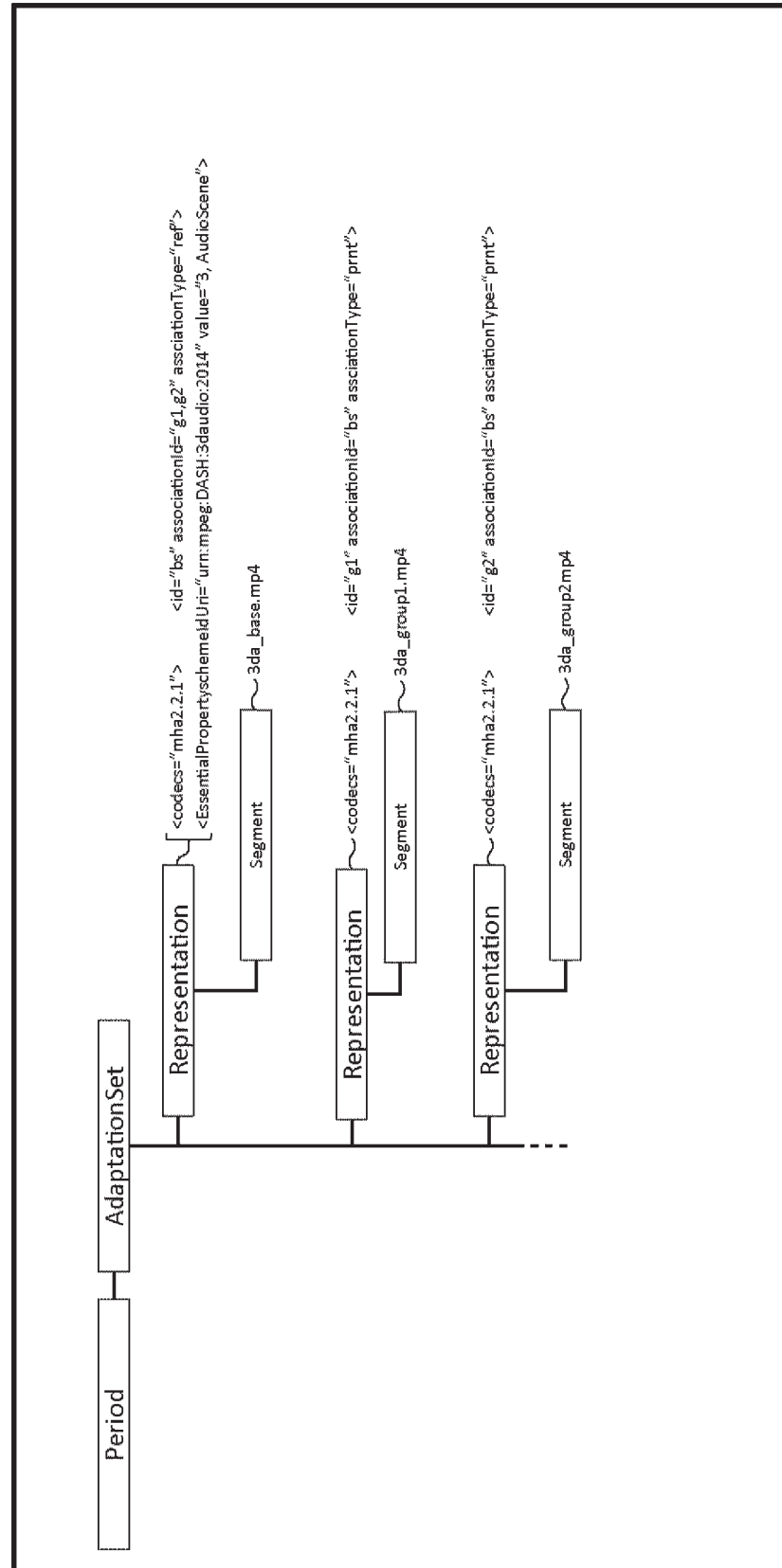


FIG. 47

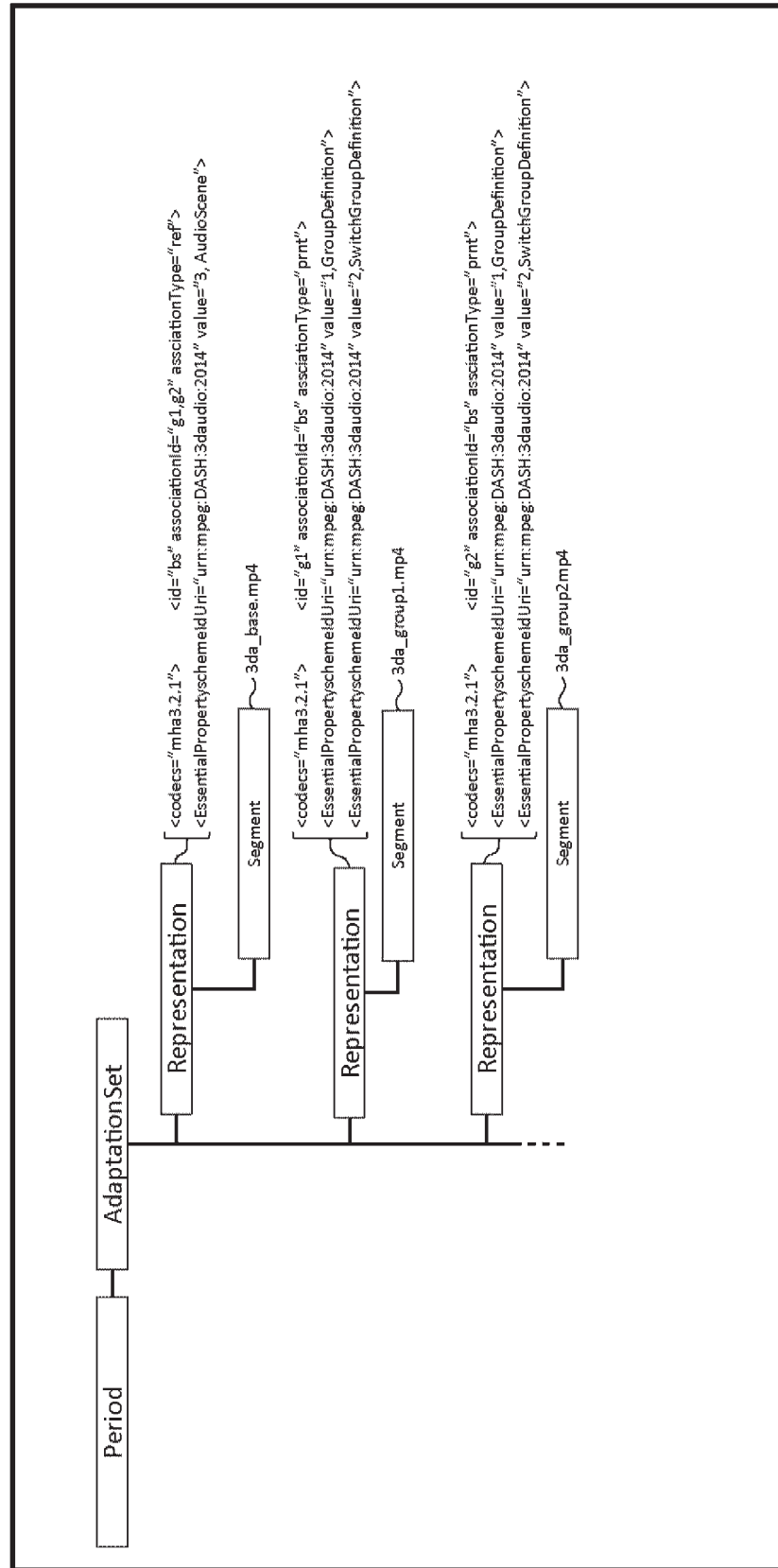


FIG. 48

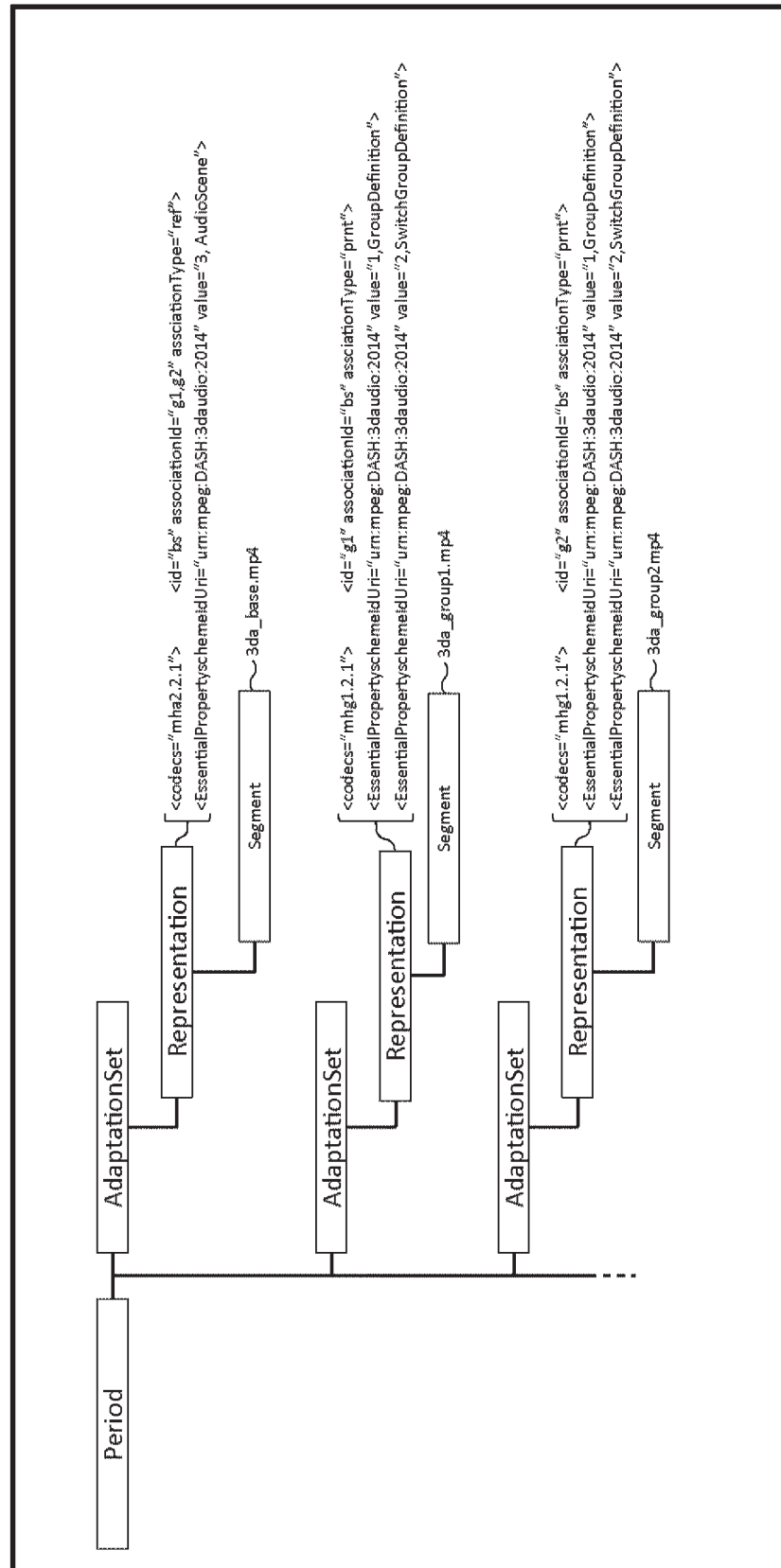


FIG. 49

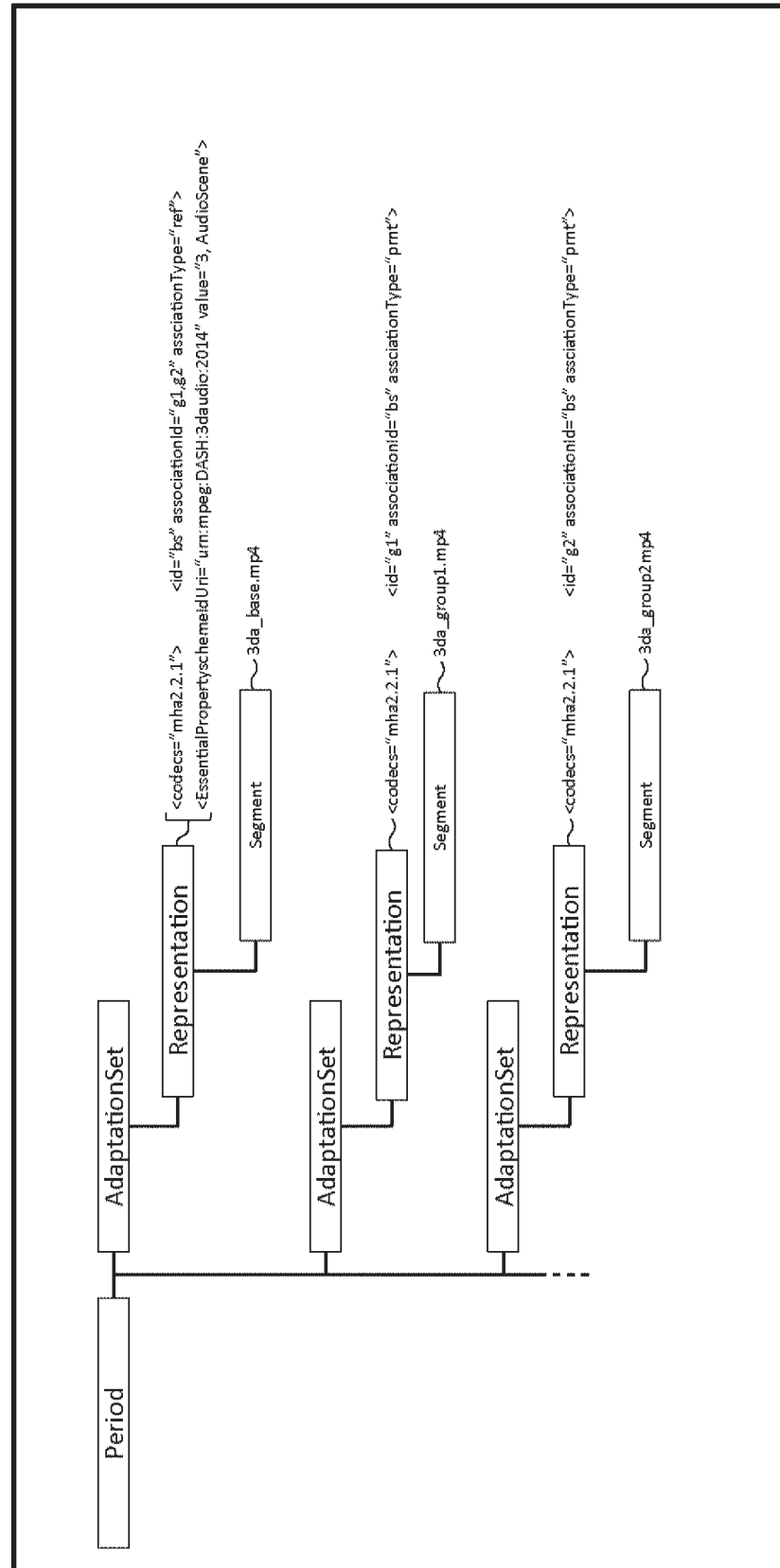


FIG. 50

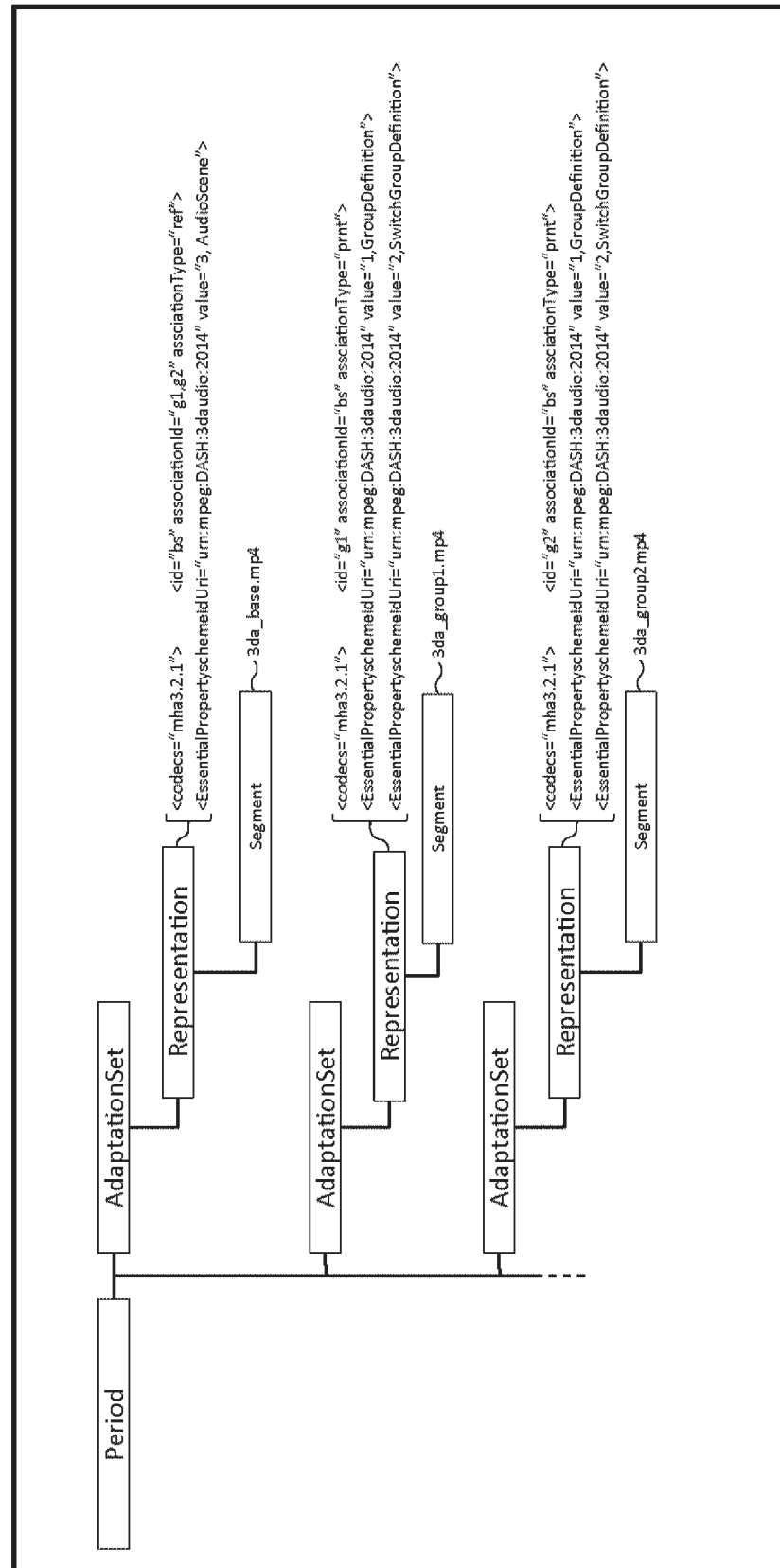


FIG. 51

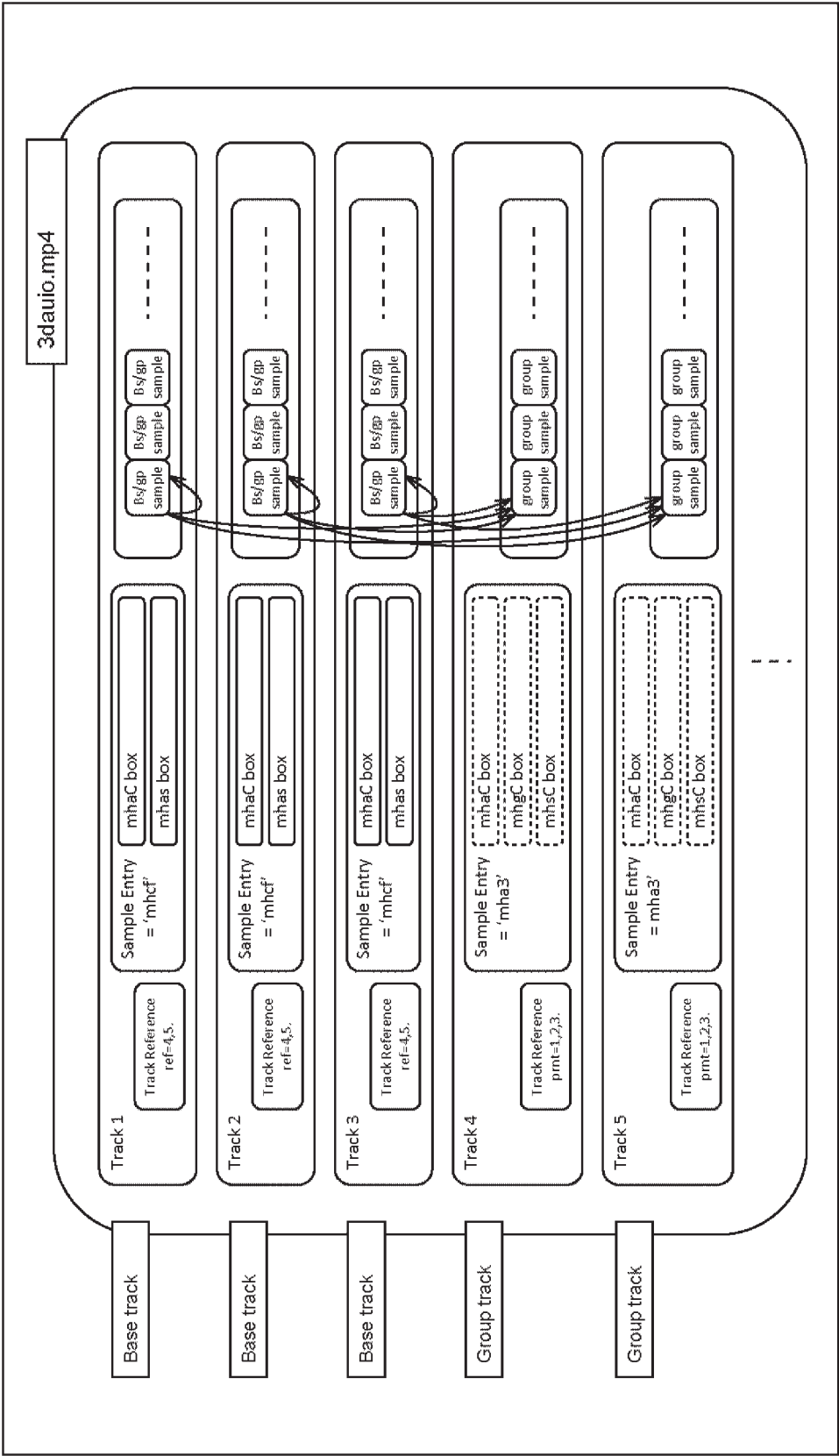


FIG. 52

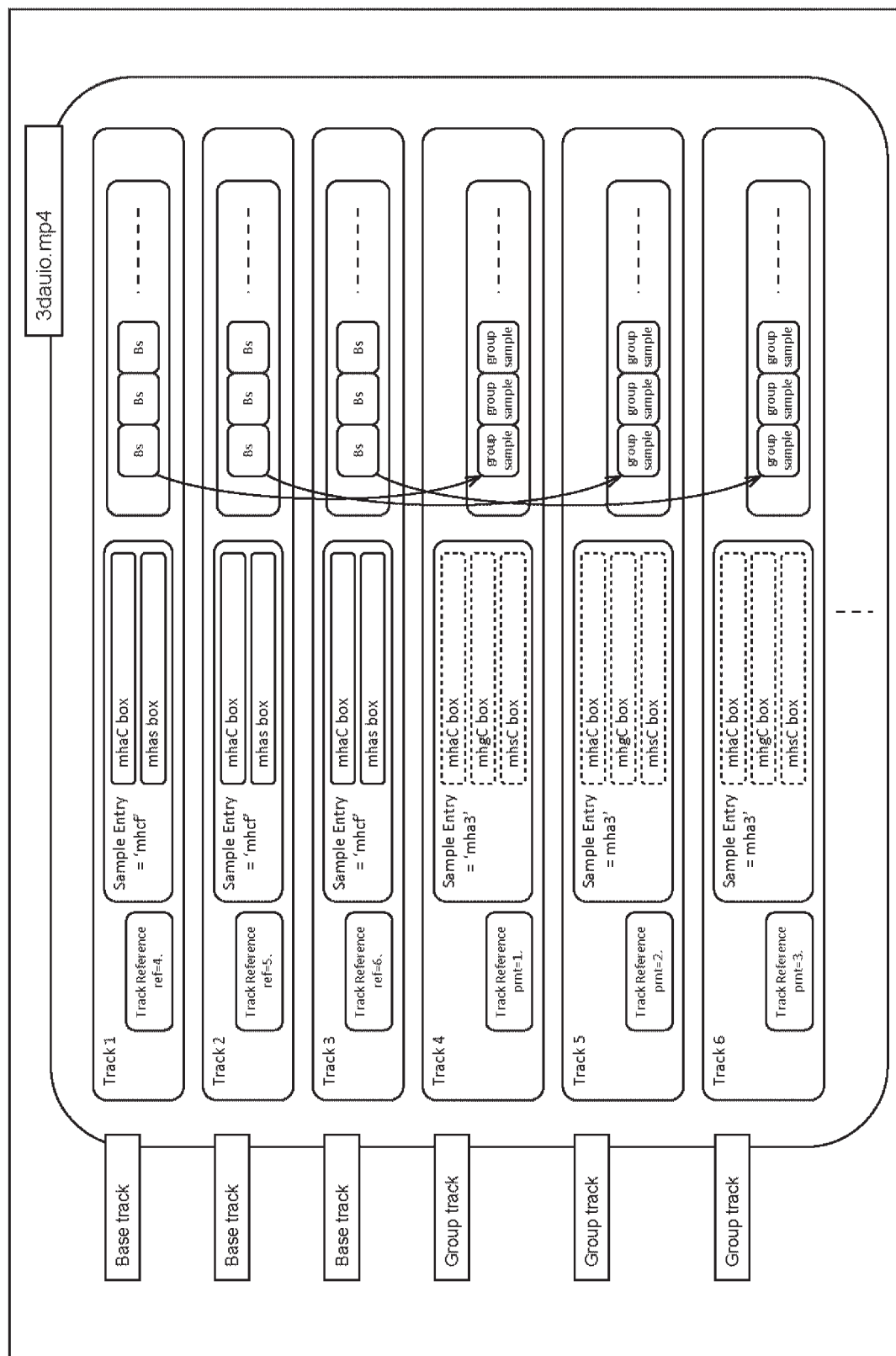


FIG. 53

