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(54) **HEADSET WITH SOURCE DETECTION AND VOLUME CONTROL**

(57) An audio headset receives one or more audio signals carrying one or more audio channels and processes the audio channels to generate stereo signals for output to a left and a right speaker of the audio headset. The processing determines a number of the audio channels carried in the received audio signal(s), adjusts lev-

el(s) of the audio channels based on the determined number of audio channels and/or adjusts gain and/or phase of the audio channels to control a perceived location of a listener wearing the headset relative to a source of sounds carried in the stereo signals.

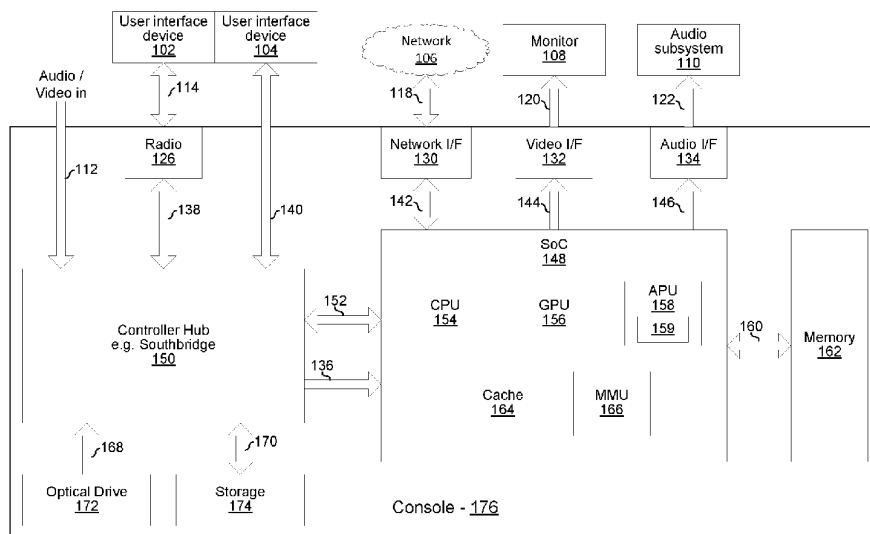


FIG. 1A



EUROPEAN SEARCH REPORT

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			H04R H04S
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 September 2024	Examiner Moscu, Viorel
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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