



US005960094A

United States Patent [19] Jensen et al.

[11] Patent Number: **5,960,094**
[45] Date of Patent: **Sep. 28, 1999**

[54] **COMMUNICATIONS HEADSET**
[75] Inventors: **Wolfgang Jensen; James Robertson,**
both of Aptos, Calif.
[73] Assignee: **GN Netcom, Inc.,** Scotts Valley, Calif.
[21] Appl. No.: **08/590,744**
[22] Filed: **Jan. 24, 1996**
[51] Int. Cl.⁶ **H04R 25/00**
[52] U.S. Cl. **381/381; 381/374; 381/375**
[58] Field of Search 381/168, 169,
381/183, 187, 68.7, 370, 371, 374, 375,
379, 381, 71.6, 330, FOR 149, FOR 150;
379/430; 455/90

5,117,464	5/1992	Jones et al.	381/183
5,210,792	5/1993	Kajihara	379/430
5,260,997	11/1993	Gatley et al.	379/430
5,298,692	3/1994	Ikeda et al.	181/135
5,410,608	4/1995	Lucey et al.	381/169
5,414,769	5/1995	Gatley et al.	379/430
5,450,496	9/1995	Burris et al.	381/187
5,655,026	8/1997	Peters et al.	381/187

FOREIGN PATENT DOCUMENTS

5 637 759 A1	4/1990	France	H04R 1/10
3332 496 A1	3/1985	Germany	H04R 1/10
3723 809 A1	1/1989	Germany	H04R 25/00
0399145	10/1942	Italy .	
286185	3/1928	United Kingdom .	
WO 95/15044	6/1995	WIPO	H04M 1/05

Primary Examiner—Huyen Le
Attorney, Agent, or Firm—Limbach & Limbach L.L.P.

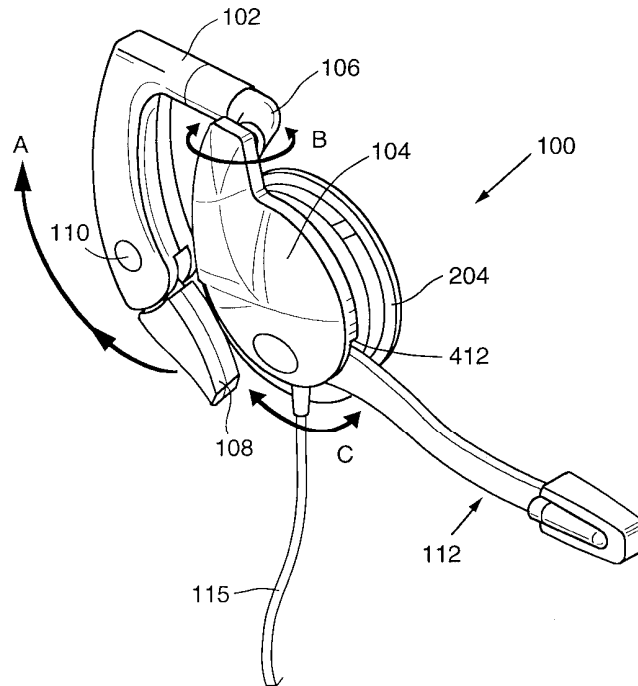
[56] References Cited U.S. PATENT DOCUMENTS

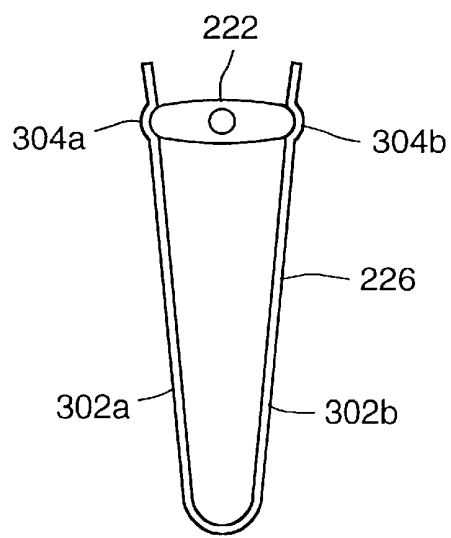
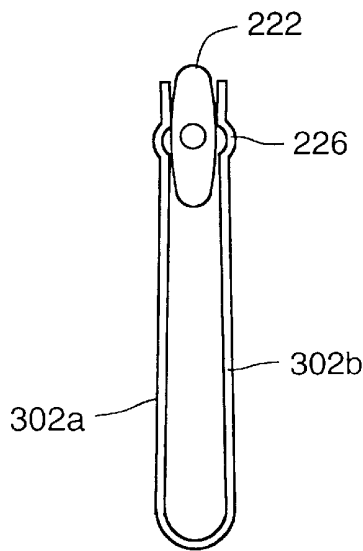
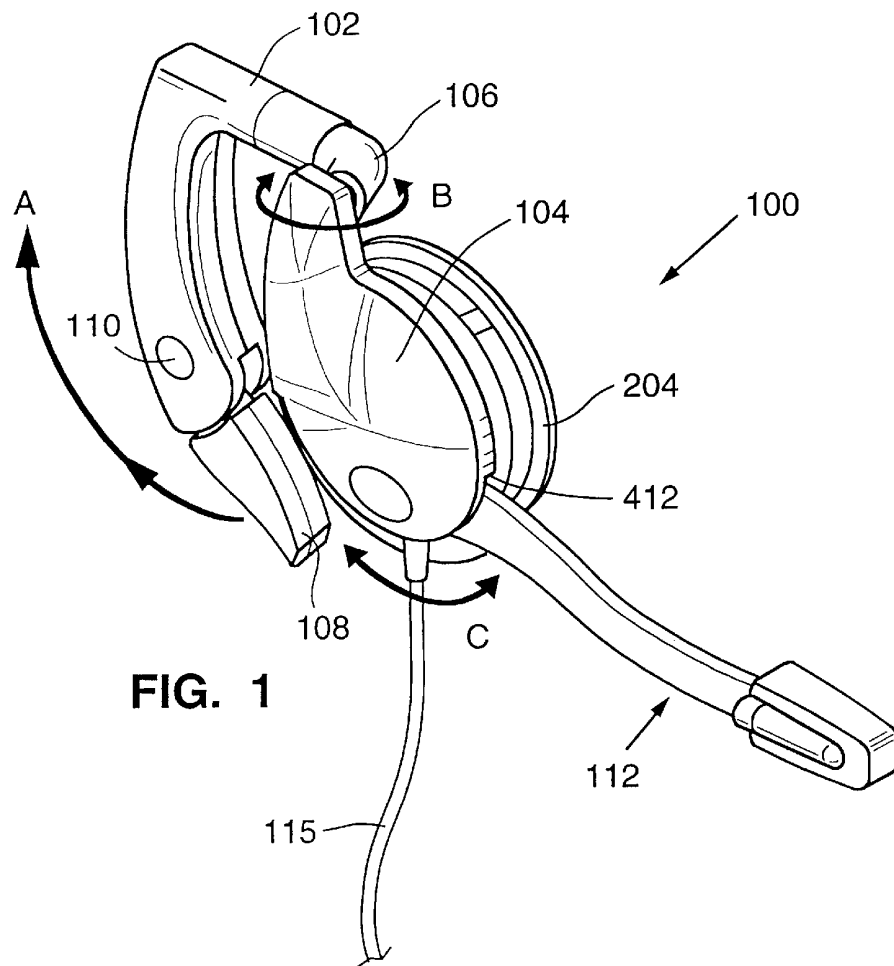
817,457	4/1906	Turner	179/156
1,587,643	6/1926	Harman .	
2,474,135	6/1949	White	179/182
2,882,348	4/1959	Erickson	179/107
2,938,083	5/1960	Herrmann	179/107
3,440,365	4/1969	Bryant et al.	179/156
3,527,901	9/1970	Geib	179/107
3,548,118	12/1970	Hutchings	179/156
3,665,122	5/1972	Weiss	179/107
3,692,958	9/1972	Dymoke	179/156
3,862,378	1/1975	Norris	179/156
4,020,297	4/1977	Brodie	179/156
4,273,969	6/1981	Foley et al.	179/156
4,420,657	12/1983	Larkin	179/156
4,893,344	1/1990	Trägårdh et al.	381/187
4,917,504	4/1990	Scott et al.	381/187
5,035,005	7/1991	Hung	2/209

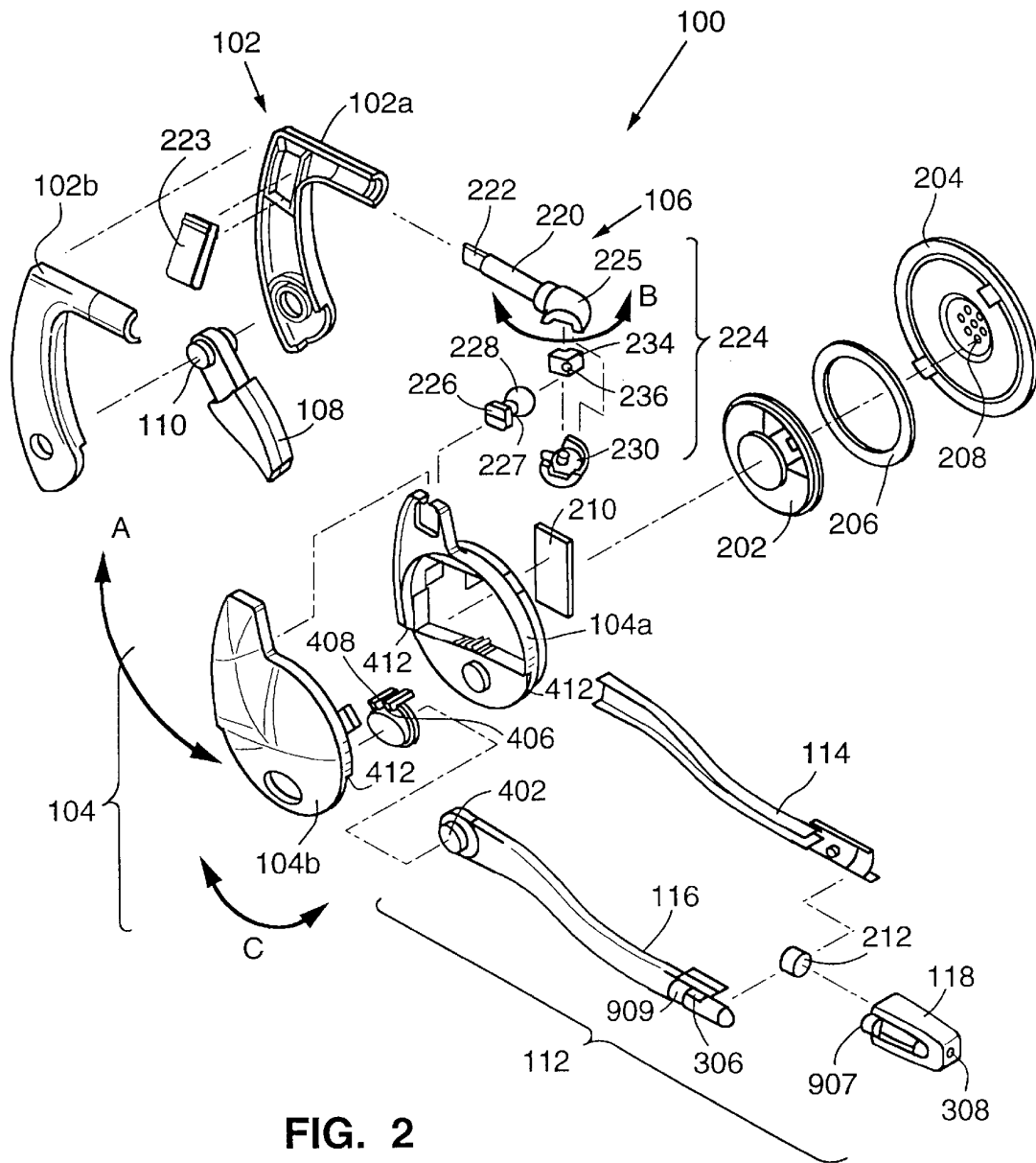
[57] ABSTRACT

A communications headset has an earpiece housing that rests on top of the ear and which also has a receiver assembly coupled to the earpiece housing. The receiver assembly is rotatable between a position at which the receiver assembly is against the ear and a position at which the receiver assembly is rotated away from the ear, thereby allowing a user of the headset to wear the headset comfortably even at times when the headset is not in use for communication. The receiver assembly is biased toward the ear, thereby acoustically coupling the receiver assembly reliably and snugly to the ear when the receiver assembly is at the position against the ear. When the receiver assembly is at the position rotated away from the ear, the receiver assembly is held securely in that position.

15 Claims, 7 Drawing Sheets







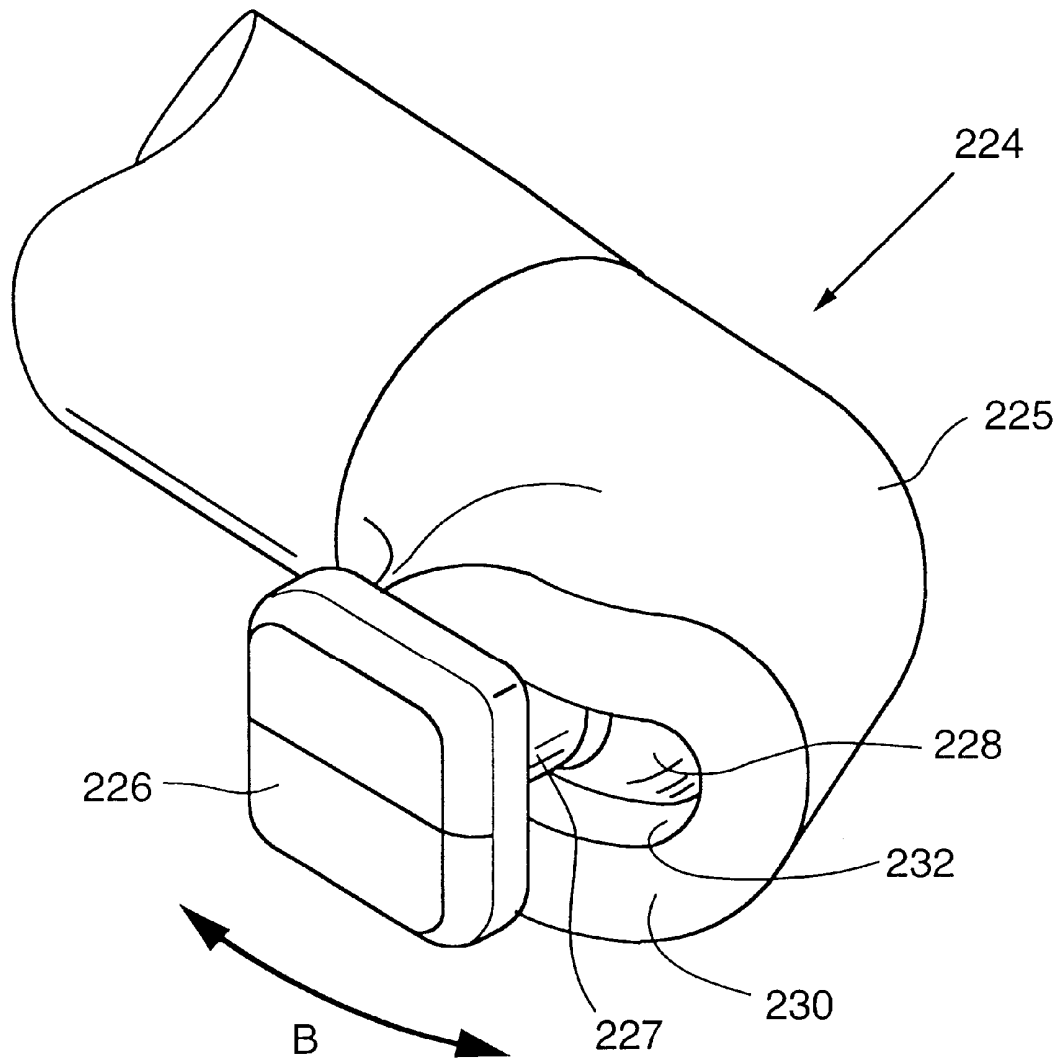


FIG. 4

FIG. 5

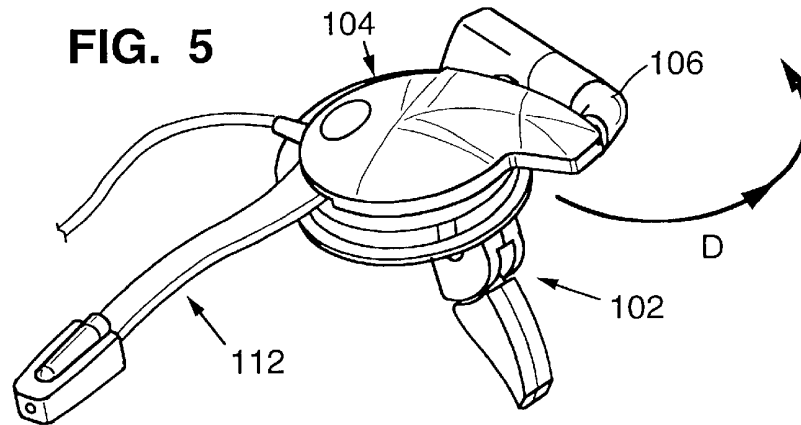


FIG. 6

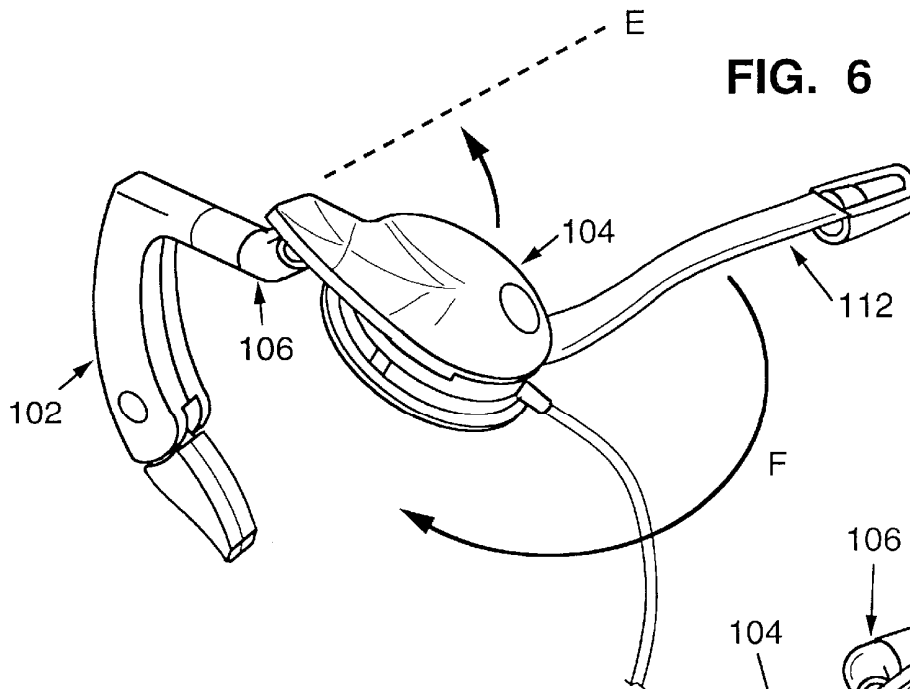
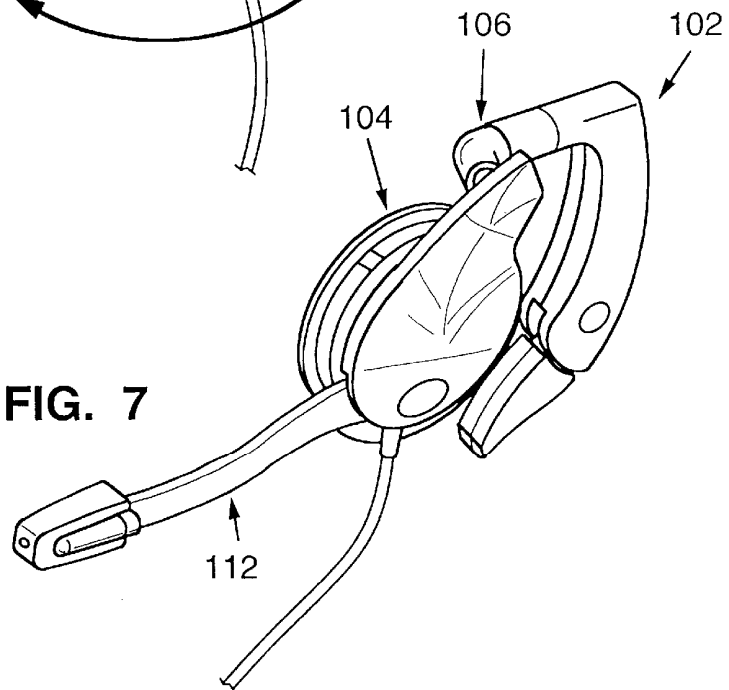


FIG. 7



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.