



US 20040204168A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2004/0204168 A1**

Laurila

(43) **Pub. Date: Oct. 14, 2004**

(54) **HEADSET WITH INTEGRATED RADIO AND PICONET CIRCUITRY**

(52) **U.S. Cl. 455/569.1; 455/422.1**

(75) **Inventor: Juha P. Laurila, Halikko (FI)**

(57) **ABSTRACT**

Correspondence Address:
HARRINGTON & SMITH, LLP
4 RESEARCH DRIVE
SHELTON, CT 06484-6212 (US)

A portable headset **30** has a speaker **42**, a radio receiver **32**, and PAN circuitry **50** for receiving wireless electrical signals over a piconet such as Bluetooth. The radio receiver **32** or the PAN circuitry **50** may drive the speaker **42**, and override circuitry **68** enables the PAN circuitry **50** to mute the radio receiver **32**. The headset **30** may have a microphone **52**. A mobile phone call incoming to a mobile phone **46** automatically causes a speech connection over the PAN to be established between the mobile phone **46** and the headset **30**. The radio receiver **32** is muted and the user **44** carries on a phone conversation through the headset **30** without manually turning off the radio. Muting may be ceased upon termination of the phone call or of the PAN connection. A mobile phone user interface **56** may be used to control the radio receiver **32**.

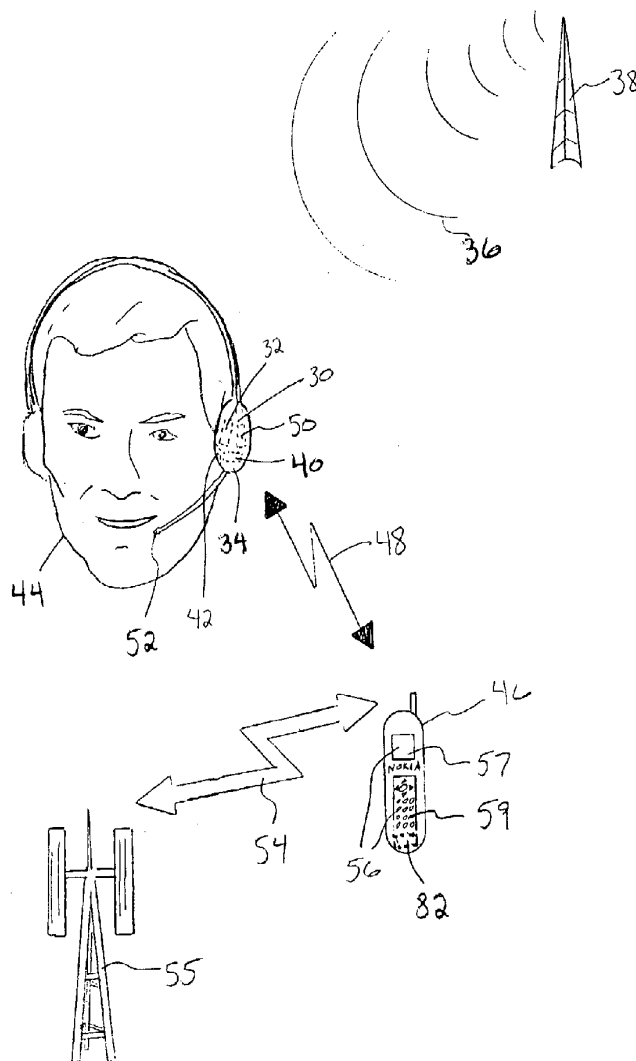
(73) **Assignee: Nokia Corporation**

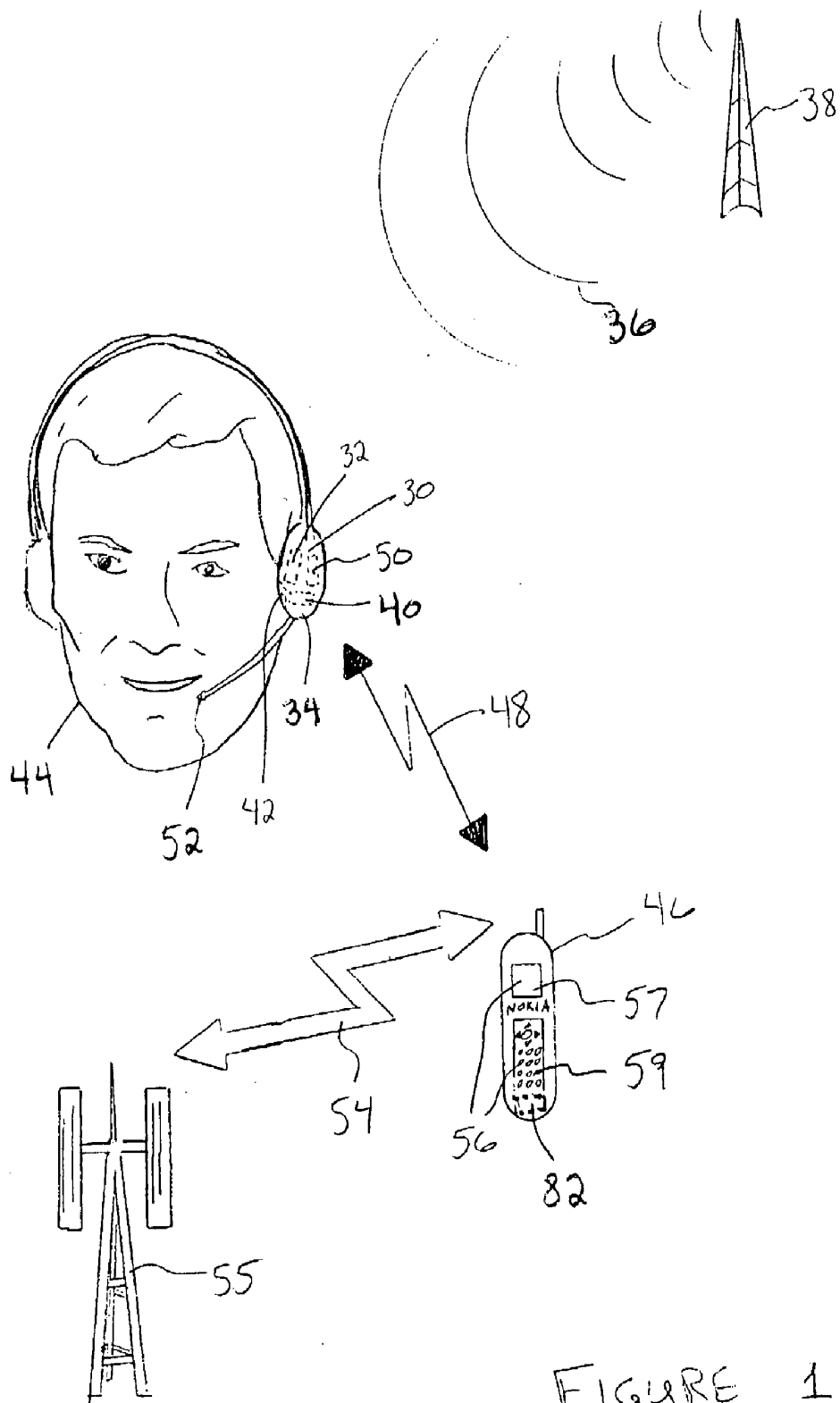
(21) **Appl. No.: 10/390,441**

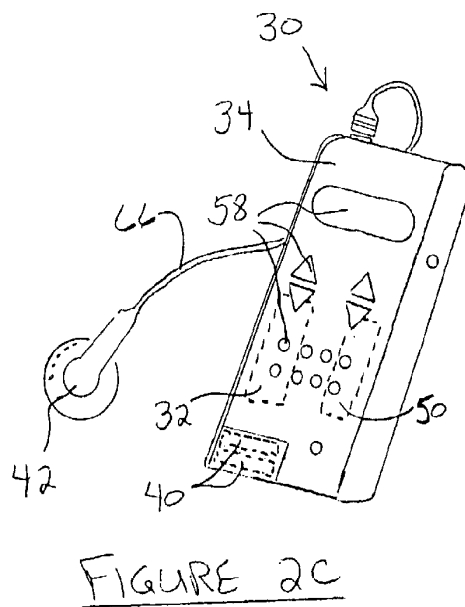
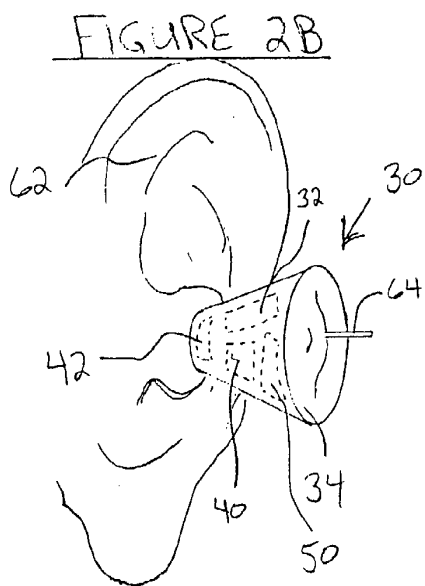
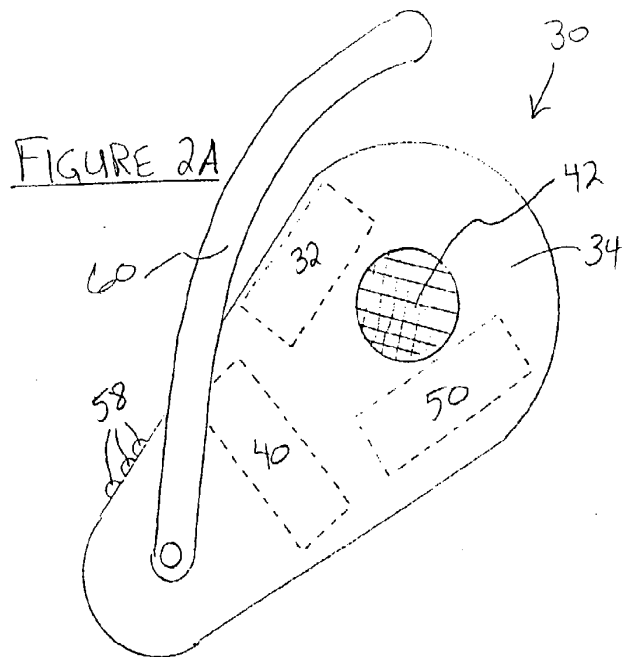
(22) **Filed: Mar. 17, 2003**

Publication Classification

(51) **Int. Cl.⁷ H04Q 7/20; H04M 1/00**







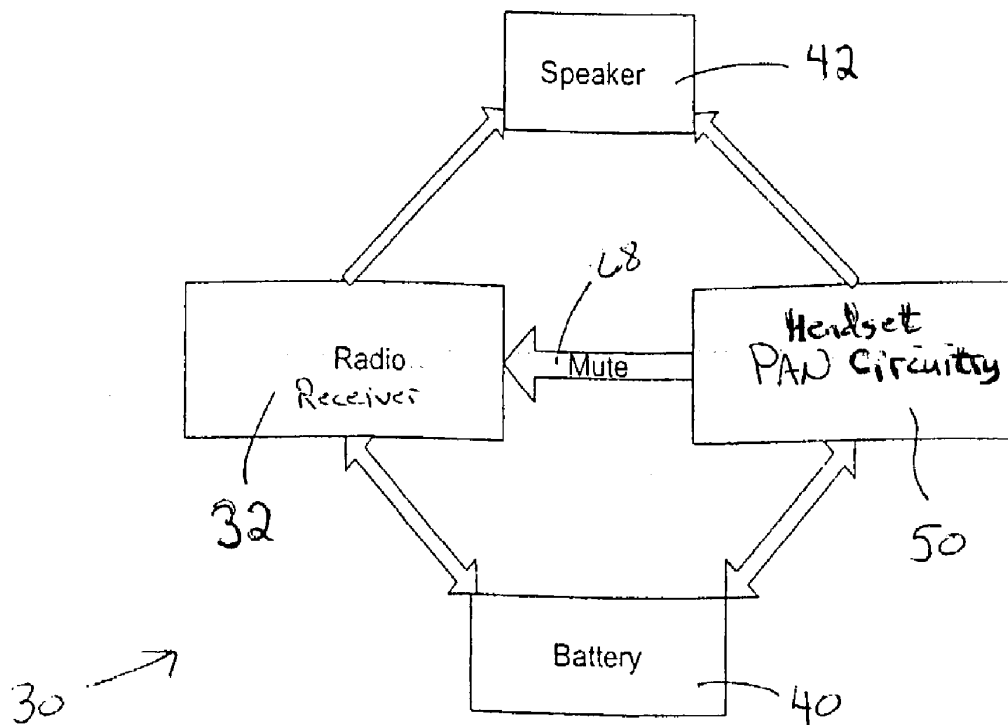


FIGURE 3

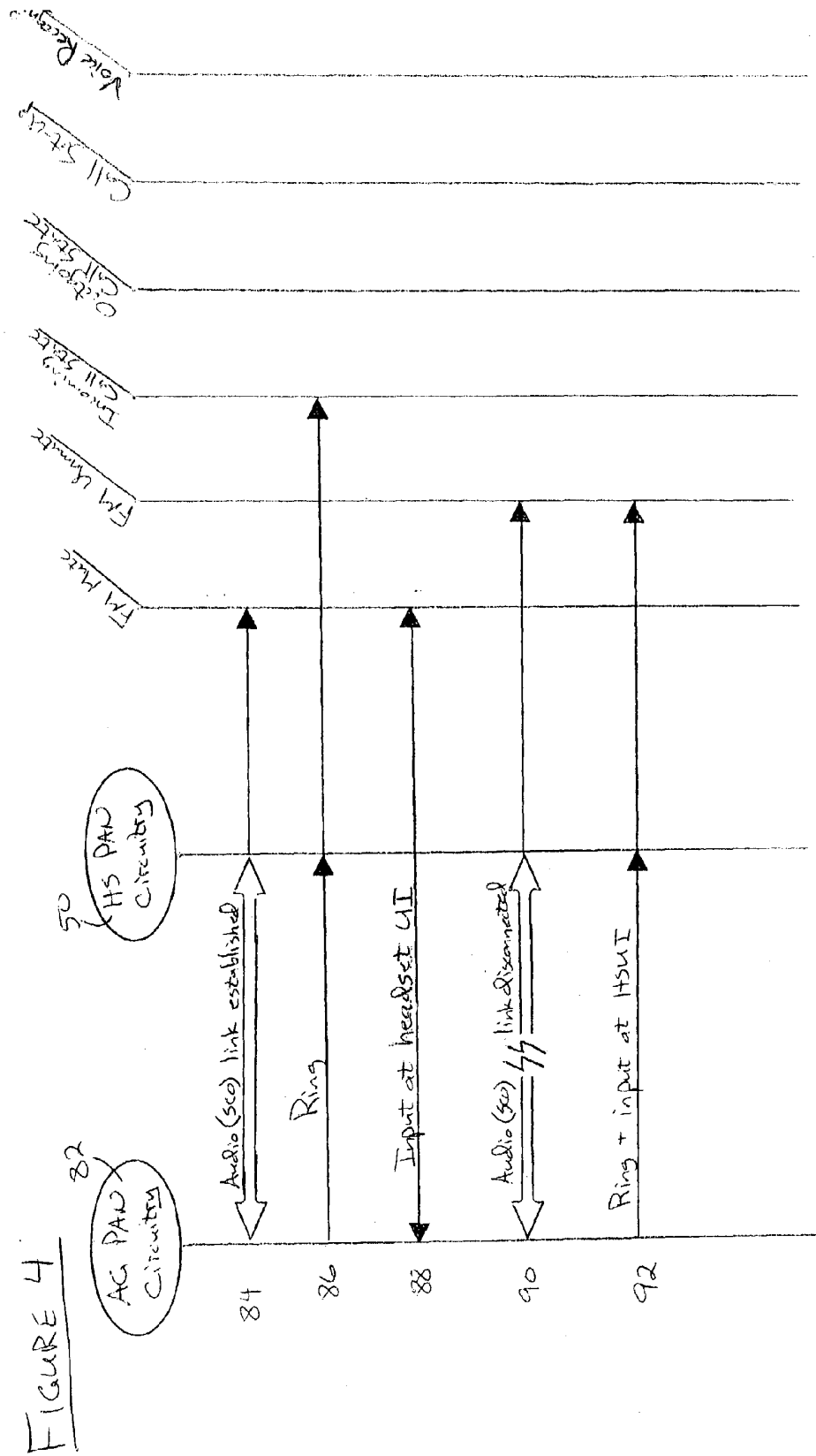


FIGURE 4

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