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United States Patent [19]

Jambhekar

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[54] **FOLDABLE TELEPHONE HANDSET HAVING TRANSFORMABLE HINGE**

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[52] **U.S. Cl.** **379/433**; 379/434; 379/428; 455/90

[58] **Field of Search** 379/446, 455, 379/426, 428, 452, 437; 455/89, 90

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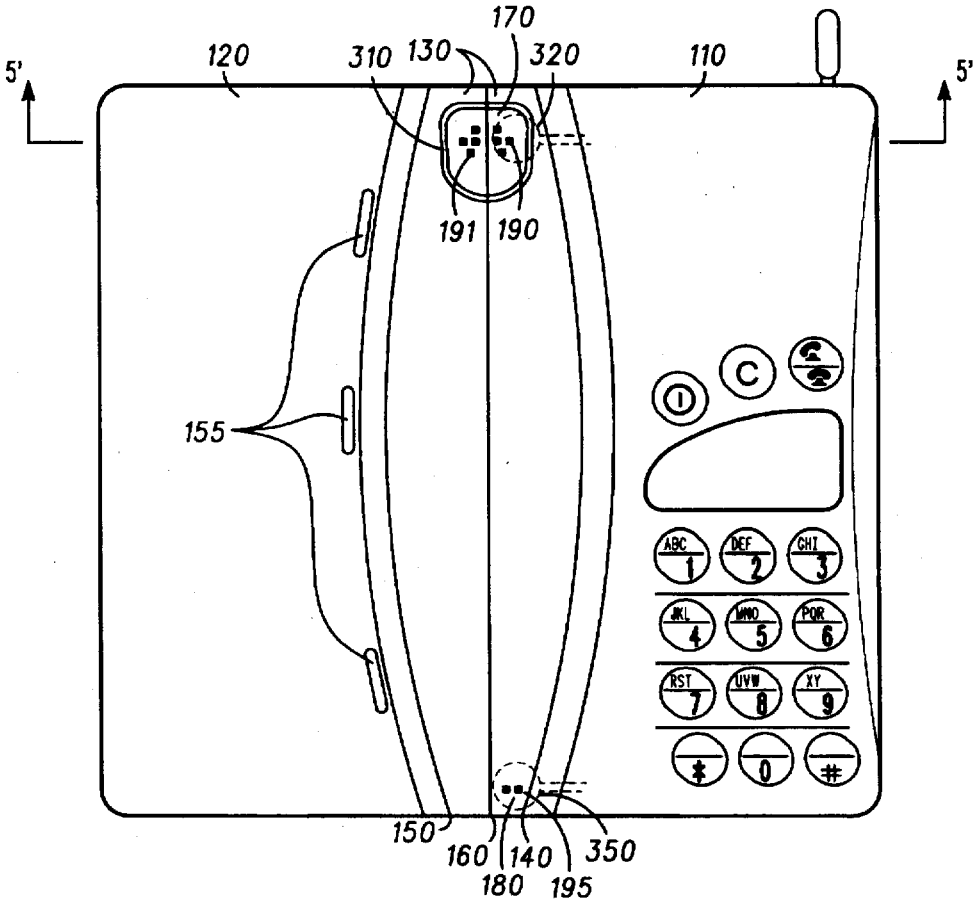
[57] **ABSTRACT**

A transformable hinge (**130**) foldably connects two substrates (**110**, **120**) at curved mating edges (**140**, **150**). The transformable hinge (**130**) is capable of folding between a closed position for storage and an open position for use. In the open position, the transformable hinge (**130**) exhibits a configuration which orients an audio transducer (**320**) for communication of sound with the user's head when in the open position. Radiotelephone circuitry can be part of one substrate (**110**) and accessories can be received by the other of the substrates (**120**).

16 Claims, 6 Drawing Sheets