

Title (en)  
IMPROVEMENTS RELATING TO TELEPHONE HANDSETS

Publication  
**EP 0407427 A4 19910731 (EN)**

Application  
**EP 89903966 A 19890329**

Priority  
AU PI754388 A 19880331

Abstract (en)  
[origin: WO8909524A1] An ergonomic telephone handset (10, 30, 40, 50, 62, 70) having a body comprising a speaker portion (13, 14, 23, 24, 33, 42, 51, 61, 72, 76), a microphone portion (11, 31, 41, 52, 63, 71) and handle portion joining said speaker and microphone portions wherein the speaker portion includes an ear engaging portion which is pivotably (16, 26, 32, 34, 37, 44, 54, 73) or flexibly supported (13, 17, 22, 38, 43, 53, 60, 76) relative to said handle portion such that in use, the speaker portion is maintained substantially aligned with a user's ear irrespective of the location of the hand piece. The speaker portion may be mounted upon a pivotal joint (26, 36, 37, 32, 73) or universal joint (54). The ear piece may be made of flexible foam like material (13, 19, 22, 43, 53, 60, 76) to provide said flexing support to comfortably contact the ear of a user so that the ear piece remains aligned with the ear independent of any movement of the handle portion. The body portion may be encased with a tough plastic mesh material (74) which in turn is coated with soft plastic material forming a totally enclosing outer shell (75) over the body portion of the handset. The ear piece (15) may incorporate a cheek bone rest portion (12).

IPC 1-7  
**H04M 1/03**

IPC 8 full level  
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CPC (source: EP)  
**H04M 1/03** (2013.01); **H04M 1/05** (2013.01)

Citation (search report)  
• [A] GB 2154390 A 19850904 - DEBENHAM MICHAEL GEORGE SCOTT  
• [A] US 2643301 A 19530623 - CORNFELD NATHAN J  
• See references of WO 8909524A1

Designated contracting state (EPC)  
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**WO 8909524 A1 19891005**; CA 1321008 C 19930803; EP 0407427 A1 19910116; EP 0407427 A4 19910731

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**AU 8900129 W 19890329**; CA 595192 A 19890330; EP 89903966 A 19890329