

Title (en)

PORTABLE TELEPHONE WITH MOVABLE MICROPHONE UNIT

Title (de)

TRAGBARES TELEFON MIT SCHWENKBARER MIKROPHON-EINHEIT

Title (fr)

TELEPHONE PORTATIF A UNITE MICROPHONE MOBILE

Publication

**EP 0978188 A1 20000209 (EN)**

Application

**EP 99900620 A 19990201**

Priority

- EP 99900620 A 19990201
- EP 98400424 A 19980220
- IB 9900177 W 19990201

Abstract (en)

[origin: WO9943135A1] A portable telephone unit is proposed comprising a telephone housing and a microphone unit movable between a retracted rest position and an operating position protruding from the telephone housing movable in a path of movement over a distance of travel. In the portable telephone unit, a bistable mechanism cooperating with a microphone unit has spring means for pushing the microphone unit with spring force to the operating position, a component of the spring force exerted by the spring means changing direction after an intermediate unstable point has been passed, when the microphone unit is moved between the rest position and the operating position.

IPC 1-7

**H04M 1/02**

IPC 8 full level

**H04R 1/02** (2006.01); **H04M 1/02** (2006.01); **H04M 1/03** (2006.01)

CPC (source: EP KR)

**H04M 1/02** (2013.01 - KR); **H04M 1/0202** (2013.01 - EP); **H04M 1/03** (2013.01 - EP); **H04M 1/0237** (2013.01 - EP)

Citation (search report)

See references of WO 9943135A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 9943135 A1 19990826**; CN 1263663 A 20000816; EP 0978188 A1 20000209; JP 2001520850 A 20011030; KR 20010006539 A 20010126

DOCDB simple family (application)

**IB 9900177 W 19990201**; CN 99800537 A 19990201; EP 99900620 A 19990201; JP 54228699 A 19990201; KR 19997009629 A 19991018