

Title (en)
Speaker apparatus for handheld electronic device

Title (de)
Lautsprecher für tragbares elektronisches Gerät

Title (fr)
Haut-parleur pour dispositif électronique portable

Publication
EP 1696693 B1 20070418 (EN)

Application
EP 05251072 A 20050223

Priority
EP 05251072 A 20050223

Abstract (en)
[origin: EP1696693A1] An improved speaker apparatus for use in association with a handheld electronic device includes an actuator, an audio transducer, and a connection that is connectable with the handheld electronic device. The speaker apparatus additionally includes a power system that is connectable with a power source. The connection enables the communication of audio signals between the speaker apparatus and the handheld electronic device, and also provides power to operate and/or charge the handheld electronic device. When the speaker apparatus is connected with the handheld electronic device, the audio transducer serves as both a loudspeaker and a microphone for use in, for example, telephone communications using a wireless communication apparatus of the handheld electronic device.

IPC 8 full level
H04R 1/02 (2006.01)

CPC (source: EP)
H04R 1/02 (2013.01); **H04R 2499/11** (2013.01); **H04R 2499/13** (2013.01)

Cited by
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Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
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