

Title (en)
Antenna with distributed ground

Title (de)
Antenne mit verteilter Masseverbindung

Title (fr)
Antenne avec masse distribuée

Publication
EP 1441412 B1 20151230 (EN)

Application
EP 03001733 A 20030127

Priority
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Abstract (en)
[origin: EP1441412A1] The present invention provides an antenna (2) for use in a mobile terminal (1) to transmit and receive radiation of one or more radio-frequency bands. The antenna (2) has an electrically conductive radiation antenna element (3) which is adapted for being connected to an RF circuitry (4) of the mobile terminal (1). It further comprises a spacer (5) formed of non-conductive material with a first face supporting the radiation antenna element (3) and a ground electrode (6, 9, 11, 12), which is adapted to provide a ground potential for the radiation antenna element (3). The ground electrode (6, 9, 11, 12) is hereby located on the side of the spacer (5) opposite its first face, whereby at least part of the ground electrode (6, 9, 11, 12) is located at a distance from the second face of the spacer (5) opposite its first face. <IMAGE>

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Cited by
EP1732161A1; EP1638164A1; US7492321B2; US7397432B2; US7928915B2; WO2006032455A1; US7782269B2; US8077110B2; US8493280B2; US9054418B2; US11276922B2

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