

Title (en)

METHOD AND APPARATUS FOR DETERMINING THE POSITION OF A CELLULAR TELEPHONE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR POSITIONSBESTIMMUNG EINES ZELLULAREN TELEFONS

Title (fr)

PROCEDE ET APPAREIL DE DETERMINATION DE LA POSITION D'UN TELEPHONE CELLULAIRE

Publication

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Application

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Abstract (en)

[origin: WO0059257A1] A method and apparatus to determine the position (116) of a remote station, such as a mobile cellular telephone using relative delay and absolute-range measurements. More particularly, the invention determines the position of a remote station (116) using a combination of forward link measurements made at the remote station (116) and reverse link measurements made at one or more base stations (106, 108). These measurements are used to perform calculations that yield the position of the remote station (116). An apparatus performing the calculations may use a-priori information on the exact location of all base stations participating in the mobile location determination, as well as inherent delay calibrations associated with the base stations.

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