Abstract

The invention relates to a method for improved determination of the position of a user device (110) in a mobile-radio network. Known position-determining methods are inaccurate or are available only to a limited extent or not at all inside buildings. In combination with adjacent, second user devices (120), the new method is intended to achieve a relatively-accurate positioning even if only a relatively-inaccurate positioning method is available for the user device itself, especially if the latter is disposed inside a building. An absolute position of a second user device (120) is determined with a first position-determining method. A relative position of the first user device (110) relative to the second user device (120) is then determined with a second position-determining method. Finally, the absolute position of the first user device (110) is determined on the basis of the absolute position of the second user device (120) and the relative position of the first user device (110) relative to the second user device (120), wherein the first and the second position-determining methods are different methods.

(Figure 1)