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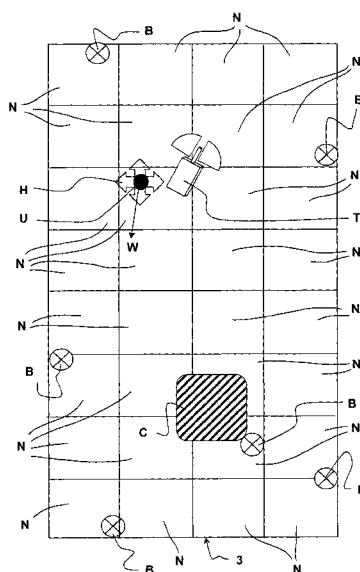
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(54) Title: ENHANCED INDOOR LOCALIZATION METHOD

FIG. 2



(57) Abstract: The present invention relates to a method for indoor localization of a user equipped with a localization device having electromagnetic signal receiver means and means for detecting the orientation in a predetermined spatial reference system, wherein the indoor space is divided up into a plurality of rooms each of which includes a plurality of spatial volumes or areas, nodes, which are connected together in a directed-graph arrangement, and wherein a plurality of radio transmitters each designed to emit a respective localization signal are arranged inside this space. The method is based on the synergic use of three localization methods, i.e. fingerprinting, inertial navigation with intelligent step recognition and proximity localization.