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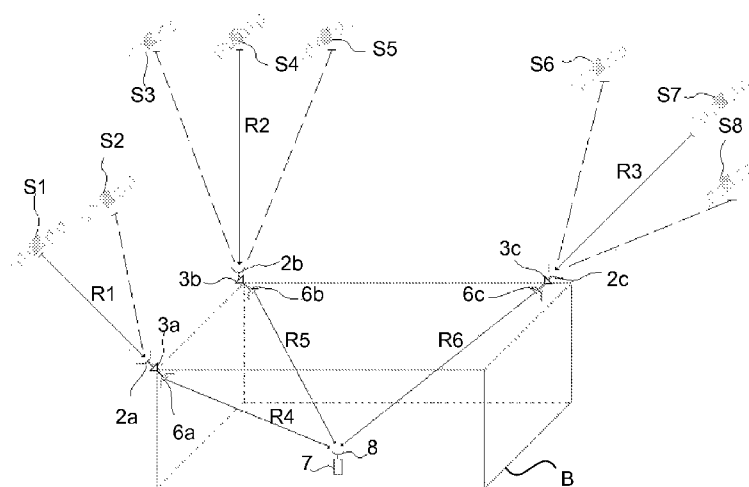
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(54) Title: INDOOR POSITIONING SYSTEM BASED ON GPS SIGNALS AND PSEUDOLITES WITH OUTDOOR DIRECTIONAL ANTENNAS

Fig. 1



(57) Abstract: This invention comprises at least three directional GPS antennas (2) for picking up specific GPS signals coming from at least three GPS satellites (S), at least three RF GPS repeaters (3) for amplifying GPS signals coming from directional GPS antennas (2), at least three GPS antennas (6) for transmitting GPS signals coming from RF GPS repeaters (3) to indoor, at least one GPS receiver (7) for picking up GPS signals coming from GPS antennas (6) by its (7) antenna (8) novel position calculation method (100) and relates to increase the coverage of the outdoors GPS signals to indoors.