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(71) Applicant *(for all designated States except US)*: **SKYHOOK WIRELESS, INC.** [US/US]; 332 Congress St., 3rd Floor, Boston, MA 02210 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **BRACHET, Nicolas** [US/US]; 83 Thornton Road, Chestnut Hill, MA 02467 (US). **ALIZADEH-SHABDIZ, Farshid** [US/US]; 5 Cole Road, Wayland, MA 01778 (US). **NELSON, Joel, N.** [US/US]; 7 Summit Avenue, Groton, MA 01450 (US). **JONES, Russel, K.** [US/US]; 87 Harding Road, Medfield, MA 02052 (US).

(74) Agents: **DICHIARA, Peter, M.** et al.; Wilmer Cutler Pickering Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

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(54) **Title:** PROVIDING WI-FI LOCATION INFORMATION TO A MOBILE DEVICE IN ORDER TO ESTIMATE ITS POSITION

(57) **Abstract:** A method of providing a relevant subset of information to a client device is based in part on scanning for Wi-Fi access points within range of the client device, using a Wi-Fi database that covers a large target region to retrieve information about these access points, using this information to estimate the position of the mobile client device, selecting a limited region in the vicinity of the estimated location of the client device, and providing information about Wi-Fi access points within this limited region to the client. For efficient transfer and maintenance of data, the target region may be divided into a hierarchy of fixed geographical tiles.