METHOS, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR GENERATING A TWO DIMENSIONAL FOG MAP FROM CELLULAR COMMUNICATION NETWORK INFORMATION (Ramot)

code: 6-2020-1352

Hagit MESSER-YARON, T.A.U Tel Aviv University, Engineering, Electrical Eng-Systems

A computerized method for generating a two-dimensional fog map of a region from a near-ground sensors network of commercial microwave links (CMLs), the region is virtually segmented to a grid of multiple pixels, the method comprises: collecting received signals levels from the CMLs, deriving the links' attenuation that are spread within multiple pixels of the region; calculating the fog induced attenuation attribute for each pixel out of a plurality of pixels of the region based on the microwave attenuation information and deciding if exists; wherein the plurality of pixels belong to the multiple pixels; and generating the two-dimensional fog map of the region based, at least in part, on the plurality of microwave attenuation attributes and the topography of the region; improving the 2-D fog map using information from other types of sensors, if exist.

See Patent publication here:
https://patents.google.com/patent/US20190293572A1/en?oq=2019%2f0293572

Contact for more information:
Ofer Shneyour, VP Business Development, ICT, +972.3.640.6496

Ramot at Tel Aviv University Ltd. P.O. Box 39296, Tel Aviv 61392 ISRAEL
Phone: +972-3-6406608
Fax: +972-3-6406675