

MinskTECH

The Patent and IP Recoveries Grup's MinskTECH
Location Fixing and Precision Time Solutions

MinskTECH and its charter

- MinskTECH is the name of a project which acts as an Intellectual Property publication Bureau located in Minsk, Belarus.
- MinskTECH forms the new technologies group of “Patent, and IP Recoveries Grup, LLC”, located at 220053, Minsk, Novovilenskay 38, office 21.
- MinskTECH has completed the filing of three new patents for Patent, and IP Recoveries Grup, to be licensed under the Patent and IP Recoveries Grup/MinskTECH Banner. These three patents form a fully autonomous location service framework.

MinskTECH and its Patents

- MinskTECH has completed the filing for Patent and IP Recoveries Grup, LLC of the following three patents
 - A20190377 – A highly precise clock and mobile-navigation applications platform, one capable of both SERVER and CLIENT application deployments
 - A20200079 – An extension of the LiFi design and expansion of its facilities to support Location Based Services in a new 400GB optical service networking system.
 - A20200158 – The Synthetic GNSS Service Patent, and its facilities for Navigation Applications.

MinskTECH and its Patents

- MinskTECH A20190377 – A highly precise clock and mobile-navigation applications platform, one capable of both SERVER and CLIENT application deployments
 - The Modular ASIC or PC Module based services provide a platform for both I/O control of Timekeeping, GNSS Transmitter and Receiver interfaces, extended Networking and Precision bit-wise controls (including a A/D-D/A subsystem).
 - Split controls and policy interfaces for each of the two layers in the a20190377 controller module.

MinskTECH and its Patents

- MinskTECH A20190377 – A highly precise clock and mobile-navigation applications platform, one capable of both SERVER and CLIENT application deployments
 - Twin Processing environment;
 - one for SMART IO Processor supporting embedded drivers, alarm management and control services for all supported I/O devices (timekeeping, GNSS, and related control channels) and
 - one for Applications Container Processor Providing Execution of Container Based Applications, Alarm Management and its Logging

MinskTECH and its Patents

- MinskTECH A20190377 – A highly precise clock and mobile-navigation applications platform, one capable of both SERVER and CLIENT application deployments
 - Master Controller provides a computing resource for a Container Based Application Server with integrated Block-Chain Logging
 - Integrated Hierarchical Policy and Service Controls

MinskTECH and its Patents

- **MinskTECH A20200079** – An extension of the LiFi design and expansion of its facilities to support Location Based Services in a new 400GB optical service networking system.
 - The extended version of LiFi implements a 400GB data service supporting UV, IR, and Visible spectrum.
 - Digital Lighthouse facility for Water Craft and Aircraft Communications. Embedded ILS services. Fully Location Aware “Location Based Networking”

MinskTECH and its Patents

- **MinskTECH A20200079** – An extension of the LiFi design and expansion of its facilities to support Location Based Services in a new 400GB optical service networking system.
 - Channelized and Frame-based communication services
 - ITU LTE, 4G, and 5G service frames
 - 802.11-2016, 802.11bb, 802.11ac combined frame and channel services
 - 802.16 backhaul frame and channel services
 - Additional xRay based channel for Space Operations
 - Laser Based for extended distance capabilities.

MinskTECH and its Patents

- **MinskTECH A20200158** - The Synthetic GNSS Service Patent, and its facilities for Navigation Applications.
 - Based on the A20190377 Platform, A20200158 Provides a new location service called the Location Service Protocol (LSP) for precise location setting
 - Provides a platform for existing GNSS Client support through the Location Service Protocol and other RNP and RNAV protocols. Fully implements key aspects of the Russian Radio Navigation Plan of October 2019 for all RF, CIS, EaP, and EU Nation's.

MinskTECH and its Patents

- **MinskTECH A20200158** - The Synthetic GNSS Service Patent, and its facilities for Navigation Applications.
 - Supporting A20200079 the A20200158 system provides a solution for all uses including satellite communications, as well as Ground and Air services.
 - A20200158 Provides a complete solution for all key uses from Navigation, Location Based Controls, and Service Facilities based on time/location/volumes for Aircraft, Watercraft, Automobiles and Trucks, Trains, Farm Equipment etc.