

TANLA IS GRANTED PATENT BY THE INDIAN PATENT OFFICE - AUTOMATED METER READING SYSTEM AND METHOD THEREOF

Hyderabad, August 16, 2010: Tanla Solutions Limited applied to the Indian Patents Office in 2006, followed by applications to Singapore Patent Office and European Patent Office in for grant of Patent for the above mentioned invention in 2007.

Tanla has now been granted a Patent (Patent No: 241745) by the Indian Patent Office; this Patent was granted by Singapore Patent Office in May 2010.

TANLA PATENTED TECHNOLOGY

Tanla's innovative Automatic Meter Reading (AMR) system using a wireless mesh networks, provides a cost-efficient solution by exploring the self-organization, self-healing capabilities of the mesh networks and utilizing the state-of-art semiconductor chips and the radio transceivers. Each node in the Tanla Wireless mesh has the capability of two-way communications and may relay or forward the data for the neighboring nodes within the transmit range, hence eliminating the need of installing dedicated communication nodes to collect data. In addition, mesh networking provides the self-healing function by automatically re-routing via other neighboring nodes. The application data characteristics are exploited in the data gathering and dissemination to achieve better energy efficiency.

The innovative solution from Tanla employs an ad-hoc wireless mesh network of communication nodes capable of collecting meter data (or any sensor data, for that matter) from utility meters and transmitting the data to a central station by hopping the data across other communication nodes for efficient and accurate billing, accounting and management purposes. Each communication node acts as meter reader as well as a router for the neighboring meter readers. Thus the system forms a mesh network of meter (or sensor) readers that provides for automatic discovery of network, optimum routes, fault tolerant failsafe routing mechanism, encryption and compression techniques for transmission of usage data in a fast, secure and reliable manner.



The wireless ad-hoc technology developed by Tanla helps system integrator to deploy extremely low cost communication mesh networks that provide a wide coverage of different land terrains, avoiding many of the shortcomings of alternate technologies. Low-cost M2M modules combined with Tanla Ad-hoc wireless mesh will enable a wide range of new-networked devices and business models. Key applications include smart grid, meter reading, security/surveillance, automotive systems, vending and point of sale, remote monitoring, and track and trace.

Tanla has also applied for a patent grant in Europe, where the grant is pending.

About Tanla

Tanla is a leading innovator of Next-generation mobile commerce, mobile application solutions and interactive services. We provide end-to-end solutions to Mobile Operators, Handset Manufacturers, and Independent Software Vendors including

- Application Rights Management (License Manager)
- Mobile Payments
- Global messaging services
- Telecom Products and solutions
- 3G VAS Products

Tanla License Manager is embedded in over 170 million Nokia handsets. We offer Mobile Payments connectivity in over 160 countries globally.