



Crypto-Sign®

From
Transaction
Security, Inc.

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TSI Granted Key Biometrics Patent that Could Save \$ Billions

March 30, 2011 - Pittsboro, NC – Transaction Security, Inc. announced today that it has been granted a breakthrough patent which founder, President and patent co-author, Rod Beatson, believes will significantly improve the accuracy of mobile authentication and reduce payment systems fraud. He explained that Transaction Security markets its Crypto-Sign technology as a Software Developers Kit to enable developers to build low-cost, user-friendly, highly secure protection for mobile devices, their data and associated transactions.

In making the announcement, Beatson commented “We have been developing our signature/sign-based behavioral biometric technology for some time and first filed for this key patent in provisional form in 2004.” Explaining the importance of the patent he said, “It has everything to do with rotating the biometric image to a consistent angle of inclination prior to feature extraction so that features from different biometric samples can be consistently matched to a stored template.” He added that “A number of attempts by others to do this have failed but we have shown that implementation of this patented method in the Crypto-Sign SDK provides significantly improved accuracy.” Commenting further he explained “We believe that the improved accuracy can be used to add security and privacy for the mobile device user and to provide a trusted relationship between user, device and server - cloud-based or local.” “The technology does all this, while, at the same time relieving the user of the need to enter and remember complex passwords.” he added

Mark Kely, Board Director, co-author of the patent and TSI’s SDK developer, explained, “I have worked with Rod for a number of years now on building this rotational process into the SDK and we are excited to see the improved accuracy it delivers, especially when combined with our novel method of selecting appropriate features.”

Glen Gulyas, Board Director who works with Strategic Partners added “Our first prototype application for user authentication of Windows-based devices was originally beta-tested by Microsoft, who said at the time they believed it would be very valuable to their OEM’s.” “Later versions, incorporating the patented rotation process have been evaluated positively by Dell, HP, AT&T and others, he added. “We have recently filed two Continuations in Part, one covers the mobile device authentication process more explicitly and the other, in conjunction with our partner 20/20 Ventures LLC, covers a novel method of applying automatic signature verification to authorize POS transactions. These two applications can significantly reduce the billions of dollars lost in Payment Card and ID theft fraud.” he continued.

As a final comment, Beatson added “Our objective now is to move these patent-protected processes into the mainstream marketplace and we are seeking strategic partners to help us accomplish this”.

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