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Enhancing Privacy Through Selective Disclosure of Verifiable Content or The Facts, The Whole Facts, And Nothing But The Facts!

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ABSTRACT

This paper addresses the issue of selective disclosure of verifiable content. It extends previous work relating to Content Extraction Signatures (CES) to implement a more complex structure that encodes a richer, more flexible fragment extraction policy. The new structure enables the signer to specify primary and secondary fragment extraction targets; and mandatory and optional fragment associations (or groupings) relative to the target fragments. We also propose a novel application to handle and manage electronic document content for paperless commerce in an online and mobile world.