A structure and cardinality preserving embedding of semigroups into regular semigroups

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The latest volume of *Communications in Algebra* (August 2009) includes an article by the author that describes an embedding of any semigroup S into a regular semigroup $\mathcal{R}(S)$ such that the Green's relations on S are the restrictions to S of Green's relations on $\mathcal{R}(S)$ and the subgroups of $\mathcal{R}(S)$ are subgroups of the Schützenburger groups of S.

In this talk it will be claimed that there is a homomorphic image of $\mathcal{R}(S)$ that also embeds S, preserves Green's relations, its Schützenburger groups, and is finite if S is finite. Some consequences of the claim will be mentioned.