A classical result in Lie theory stipulates that every finite dimensional simple Lie algebra $\mathfrak{g}$ which is not of type ADE can be constructed as the fixed point subalgebra for a diagram automorphism $\sigma$ of a simple Lie algebra $\mathfrak{s}$ of type ADE. This construction does not have a direct quantum analogue. The aim of the present talk is to explain how to construct a homomorphism of associative algebras from a subalgebra in the algebra of fixed points for $\sigma$ of the upper triangular part of $U_q(\mathfrak{s})$ onto the quantized enveloping algebra of the upper triangular part of $U_q(\mathfrak{g}^\vee)$, where $\mathfrak{g}^\vee$ is the Langlands dual of $\mathfrak{g}$. (Received September 21, 2009)