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**Davis et al.**

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(54) **REACTION PRODUCT OF PROPYLENE POLYMER AND WAX, GRAFT COPOLYMERS DERIVED FROM POLYPROPYLENE POLYMER AND WAX, HOT MELT ADHESIVE COMPOSITIONS INCLUDING THE SAME, AND METHODS OF USING AND MAKING THE SAME**

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See application file for complete search history.

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(57) **ABSTRACT**

A reaction product and hot melt adhesive compositions that include the reaction product are disclosed. The reaction product includes the reaction product of a first polymer that includes at least one of polypropylene homopolymer and polypropylene-alpha-olefin copolymer, a first wax that includes at least one of polyethylene wax, Fischer Tropsch wax and paraffin wax, and a free radical initiator and has a viscosity of no greater than 12,000 centipoise at 177° C.

45 Claims, No Drawings