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(12) **United States Patent**  
**Wittwer et al.**

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(54) **TWO COMPONENT POLYURETHANE SYSTEM FOR LIQUID APPLIED SOUND DEADENER**

(58) **Field of Classification Search**  
CPC ..... H05K 5/00  
See application file for complete search history.

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(56) **References Cited**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 831 days.

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(65) **Prior Publication Data**

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(51) **Int. Cl.**

**H05K 5/00** (2025.01)

**A47L 15/42** (2006.01)

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(57) **ABSTRACT**

A method for producing a coating on a surface of a component part or a device, the method comprises obtaining a two component polyurethane system having a Component A and a Component B, Component A comprises a polyol and Component B comprises an isocyanate. Either Component A or Component B or both components comprise a filler. The method includes mixing Components A and B, to form a mixture comprising the polyol, the isocyanate, and the filler. The method includes applying the mixture to a surface of a component part or a device to form a coating from the mixture; and allowing the applied coating to cure. The steps of applying the coating and allowing the applied coating to cure are performed at an ambient temperature, and the

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(Continued)

—▲— NCO/OH=1,0; 2nd order  
—■— NCO/OH=0,9; 2nd order  
--- NCO/OH=0,8; 2nd order

