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**Du et al.**

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- (54) **DAMPING SPLICE SLEEVE**
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See application file for complete search history.

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(57) **ABSTRACT**

A damping splice sleeve may include an outer cylinder, a damping material, an inner cylinder. The outer cylinder is a hollow cylinder with partition. The partition divides the cylinder into two smaller cylinders. The two smaller cylinders have no connection with each other. Both ends of the outer cylinder are open. The inner cylinder includes two hollow cylinders with one end closed and the other end open. The damping material is installed between inner cylinder and outer cylinder. The damping splice sleeve can be used for the components' connections of precast building structures with vibration control requirements. When the load effects make the components have relative displacement, the damping material in the damping splice sleeve can have shear deformation and then dissipate energy.

**1 Claim, 4 Drawing Sheets**

