

IP MARKETPLACE

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COMPOSITE FLOORING USING V-SHAPED SHEAR CONNECTOR



▶ MORE INFORMATION

MEGA-TREND

- Chemicals and Materials

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 4

PATENT/ GRANTED NUMBER

- PI 2015700343

▶ TECHNOLOGY OVERVIEW

The present invention relates to an improved shear connector for use with a steel I-beam in compliance with the requirements of standards or regulations that can help improve stiffness and strength of the steel I-beam to a concrete slab in composite floor. The shear connector preferably comprises a pair of planar sides forming a V-shaped cavity with two opposing end portions configured for engaging the concrete at an angle of less than or

equal to 45 degree relative to a surface of the pair of flange plates and the V-shaped cavity is arranged in a downwardly facing direction confronting the surface.

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