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Teng

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(54) **CORRUGATED CONCRETE WALL PANEL FORM AND METHOD OF CONSTRUCTION THEREOF**

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(57) **ABSTRACT**

Related U.S. Application Data

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The present disclosure provides a corrugated concrete wall panel form and a method of constructing a prefabricated concrete wall panel thereof. The method comprises the steps of placing a layer of insulation boards horizontally on a flat surface on site or in pre-cast plant; laying and attaching one layer of corrugated metal thin sheets, as the bottom concrete form, on top of the horizontally placed insulation boards; closing the sides of the corrugated metal sheets by peripheral angles as side forms; and then pouring concrete on top of the metal sheets. After concrete hardens the wall structure is ready for erection. This low cost lightweight wall panel system is self-containing and requires only one pour of concrete. It requires no complicated form structure and less labor work for form installation.

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B29C 33/40 (2006.01)

(52) **U.S. Cl.** **264/219**; 264/271.1; 264/333; 249/83; 249/93; 249/94; 249/137; 425/127

(58) **Field of Classification Search** 264/256, 264/219, 271.1, 333; 429/189; 249/83, 93, 249/94, 137; 425/127

See application file for complete search history.

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10 Claims, 6 Drawing Sheets

