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(54) **Title:** INVERTED METAMORPHIC MULTI-JUNCTION (IMM) SOLAR CELL AND ASSOCIATED FABRICATION METHOD

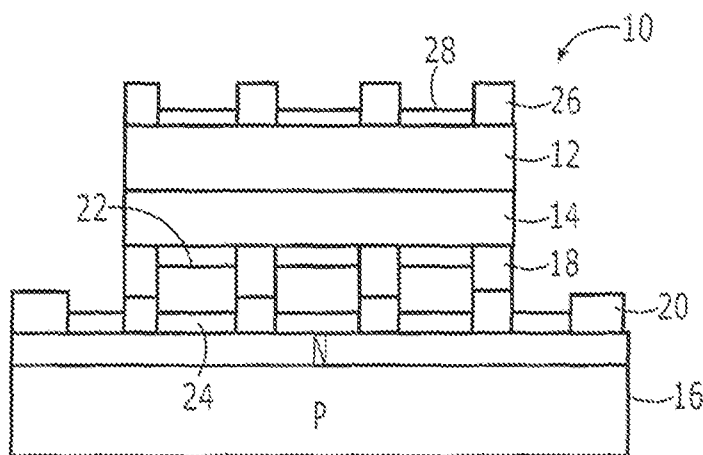


FIG. 1

(57) **Abstract:** An IMM solar cell and an associated method of fabricating an IMM solar cell are provided. In the context of a method, a first subcell may be formed upon a temporary substrate and a second subcell may be formed upon the first subcell. The second subcell may have a smaller band gap than the first subcell. The method may also bond the first and second subcells to a silicon subcell and then remove the temporary substrate. In the context of an IMM solar cell, the IMM solar cell includes first and second subcells with the first subcell disposed upon the second subcell and the second subcell having a smaller band gap than the first subcell. The IMM solar cell may also include a silicon subcell supporting the first and second subcells thereupon with a metal-to-metal bond between the silicon subcell and the second subcell.

