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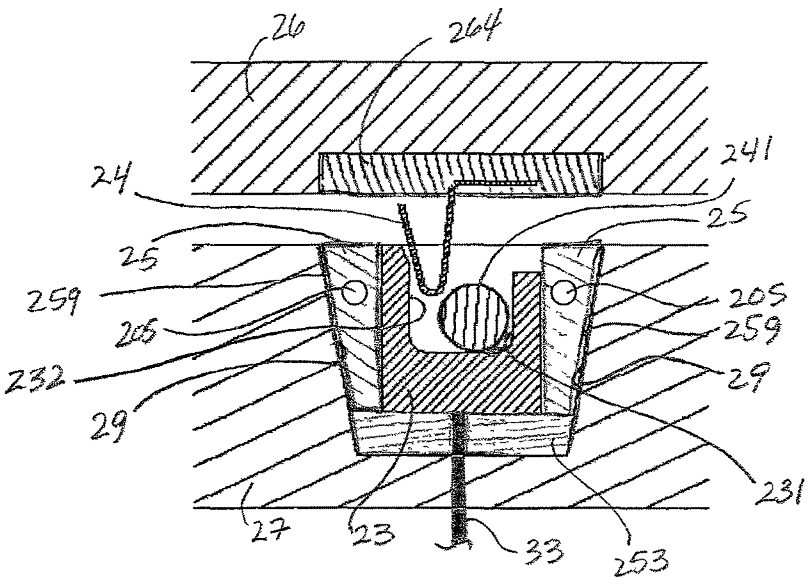
(54) **Title:** MEDICAL ELECTRICAL LEAD CONNECTION SYSTEMS AND METHODS



(57) Abstract: An electrical connection assembly (20) of a medical device (100) includes at least one conductive sidewalls (231) mounted in a fixed position to a module base (27) ; the sidewall may be electrically coupled to a feedthrough wire (33) . The assembly further includes at least one resilient member (24) to apply a spring force against a connector element of a lead connector when the connector element is positioned adjacent to the conductive sidewall. The spring force of the resilient member causes electrical coupling between the connector element and the conductive sidewall .

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