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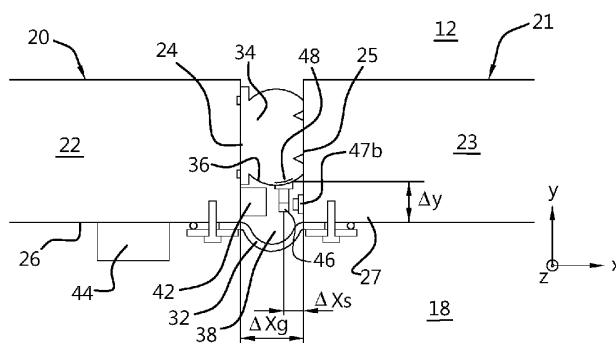
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(54) Title: POSITION MONITORING OF A GASKET BETWEEN TUNNEL SEGMENTS

Fig. 2B



(57) Abstract: A method and sensor system for monitoring in time a geometric property of a gasket (32, 34) that sealingly interconnects two structural members (20, 21) of a subterranean or immersed tunnel (10). The system includes a sensor (42) for measuring position indications for surface portions (48) of the gasket relative to a reference (26, 27, 47) associated with one or both structural members, and a processor (44) that is coupled with the sensor to receive the position indications. The processor is configured to derive indications of displacement (ΔY) for each of the gasket surface portions based on the measured indications of position, to compare the indications of displacement for each of the gasket surface portions with at least one threshold value (T_y), and to generate a warning message for an operator if at least one of the indications of displacement transgresses the at least one threshold value.

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