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F1T TDX T101 T129 T132 T149

(56) Documents Cited:
GB 2365077 A **GB 1123886 A**
EP 1180581 A2 **JP 590170404 A**
JP 580106103 A

(58) Field of Search:
UK CL (Edition X) **F1T**
INT CL **F01D**
Other: **EPODOC, WPI**

(54) Title of the Invention: **Adjustable support bar with adjustable shim design for steam turbine diaphragms**
Abstract Title: **Mounting a diaphragm within a steam turbine casing**

(57) A support arrangement for a turbine diaphragm segment in a split turbine casing 72 includes a semi-annular diaphragm segment 66 having a horizontal joint surface 70, a support bar 54 joined to the diaphragm segment 66 adjacent the horizontal joint surface 70, the support bar formed with a first flange 58 extending outwardly over a portion of the casing 72, the portion including a horizontal surface 78, and a shim 82 on the horizontal surface 78 and engaged by the first flange 58. The shim 82 may comprise a shim pack with a plurality of shim elements. The shim may be seated within a packet 80 formed in the surface 78. A second shim 88 may be disposed between the support bar 54 and on upper casing section 86.

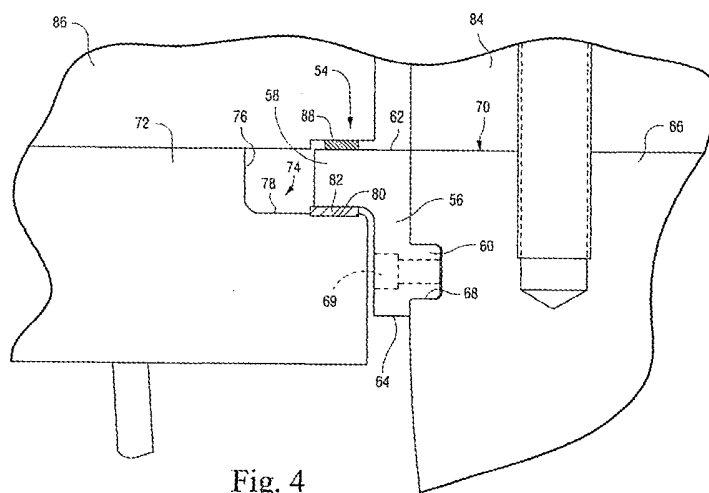


Fig. 4