

CONTACTLESS POWER TRANSFER SYSTEM

ABSTRACT

[0031] A system comprising a contactless power transfer system is presented. The system includes a primary element, a secondary element, and at least one field-focusing element interposed between the primary element and the secondary element and configured to focus a magnetic field. A partition is disposed between the primary element and the secondary element. The contactless power transfer system is disposed within pressure isolation cavities of a sub-sea assembly and configured to transfer power between a power source and a load.

Figure 3