

Novel ceramic-to-metal seal, and method for producing same**Abstract**

The invention relates to a seal assembly, which includes: (a) a ceramic tube (1); (b) a first ring (2) made of a refractory alloy including: a cylindrical opening (21) for receiving the ceramic tube; a first shoulder (22) which is located at the lower end of the ring, which is directed towards the interior of the cylindrical opening and which enables said ceramic tube to be supported; a second shoulder (23) forming, at the upper end of the ring, an annular space between the ceramic tube and the first ring made of a refractory alloy; (c) a second ring (3) which is made of a material that can be deformably sealed by heat-treatment, and which is located in the annular space formed by the second shoulder of the ring made of a refractory material; and (d) a third ring (4) made of a metal alloy, which is positioned on the upper edge of the first ring (2).

(Fig. 1)