

the sealed barrier comprising:

a first undulating metal membrane (5) which is arranged on a first portion of the insulating barrier located at one side of the anchoring member,

5 a second undulating metal membrane (6) which is arranged on a second portion of the insulating barrier located at the other side of the anchoring member and a first (9) and a second (10) plurality of caps,

the first membrane having an assembly edge (16) which is orientated parallel with a longitudinal direction of the anchoring member (3) and which is arranged on the anchoring member, the assembly edge of the first membrane being welded in a
10 sealed manner to the anchoring member,

the first membrane (5) undulating with a first series of parallel undulations (7) and a second series of parallel undulations (7b), the respective directions of the two series of undulations intersecting, the first series of undulations extending in a direction which intersects with the assembly edge (16) of the first membrane, each undulation
15 of the first series of undulations of the first membrane being closed in a sealed manner by a cap (9) of the first plurality of caps which is arranged along the assembly edge,

the second membrane (5) having an assembly edge which is orientated parallel with the longitudinal direction of the anchoring member and which is arranged on the
20 anchoring member, the assembly edge of the second membrane being welded in a sealed manner to the anchoring member,

the second membrane (5) undulating with a first series of parallel undulations (7) and a second series of parallel undulations (7b), the respective directions of the two series of undulations intersecting, the first series of undulations extending in a
25 direction which intersects with the assembly edge of the second membrane, each undulation of the first series of undulations of the second membrane being closed in a sealed manner by a cap of the second plurality of caps which is arranged along the assembly edge,

the anchoring member comprising a series of rectangular anchoring plates which
30 are aligned in the longitudinal direction of the anchoring member, wherein a plurality of transverse interfaces are arranged between the adjacent anchoring plates of the series of anchoring plates, each transverse interface being arranged between two adjacent anchoring plates,

the sealed barrier further comprising a series of fitted undulating connection
35 components (25), each fitted undulating connection component of the series comprising an elongate shell in the form of a dome (28) which is closed at the two ends thereof and which descends as far as a base plate which completely surrounds

the elongate shell,
 each anchoring plate (30) of the series comprising two transverse edges,
 the assembly edge of the first membrane being profiled in order to comprise a series
 of notches (34) along the anchoring member (3),

- 5 the assembly edge of the second membrane being profiled in order to comprise a
 series of notches (34) along the anchoring member,

a notch of the first membrane and a notch of the second membrane being
 positioned in the alignment of ~~a~~the transverse interface between two adjacent
 anchoring plates (30), in order to expose the transverse interface,

- 10 each fitted undulating connection component (25) of the series being arranged in the
 region of ~~the~~a transverse interface ~~of~~between two adjacent anchoring plates of the
series of anchoring plates, so that the elongate shell overlaps the transverse
 interface, the corresponding notch (34) of the first membrane (5) and the
 corresponding notch (34) of the second membrane (5),

- 15 each of the caps comprising a metal component which has a terminal undulation
 portion in the form of a dome, which is intended to be connected to the respective
 undulation which the cap closes and which descends as far as a base plate which
 surrounds the terminal undulation portion,

- the end portions of the shell extending in the transverse direction of the anchoring
 20 member in the direction of the first membrane beyond the terminal undulation
 portions of the first series of undulations of the first membrane and in the direction of
 the second membrane beyond the terminal undulation portions of the first series of
 undulations of the second membrane.

- 25 5. The tank as claimed in claim 4, wherein an elongate shell
 comprises a central undulation (26) which is closed by two caps (28), the caps
 comprising a metal component which has a terminal undulation portion in the form of
 a dome and which is connected to an end of the central undulation.

6. The tank as claimed in claim 4, wherein the central undulation (26)
 30 of the elongate shell is rectilinear.

7. The tank as claimed in claim 5, wherein the first membrane (5) and
 the second membrane (5) define two planes which intersect at an angle α ,
 and wherein the central undulation of the fitted wave comprises rectilinear
 undulation portions (26) which are separated by a bellows (27), the bellows