

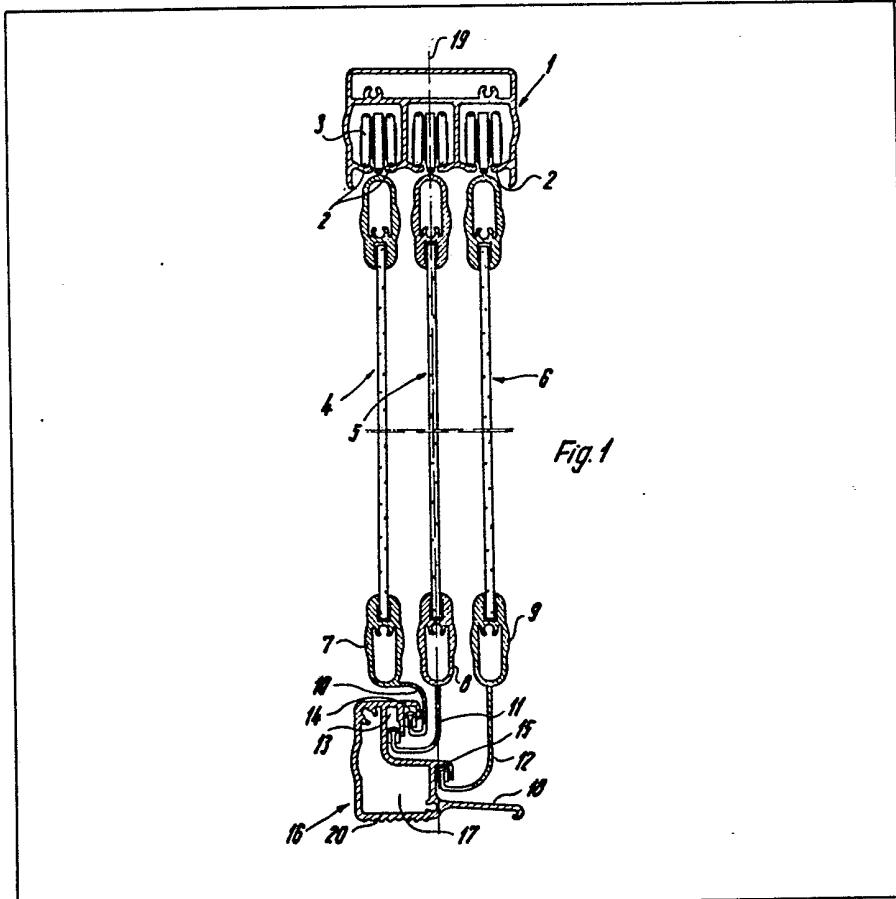
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## (54) Shower cabinet sliding door assembly

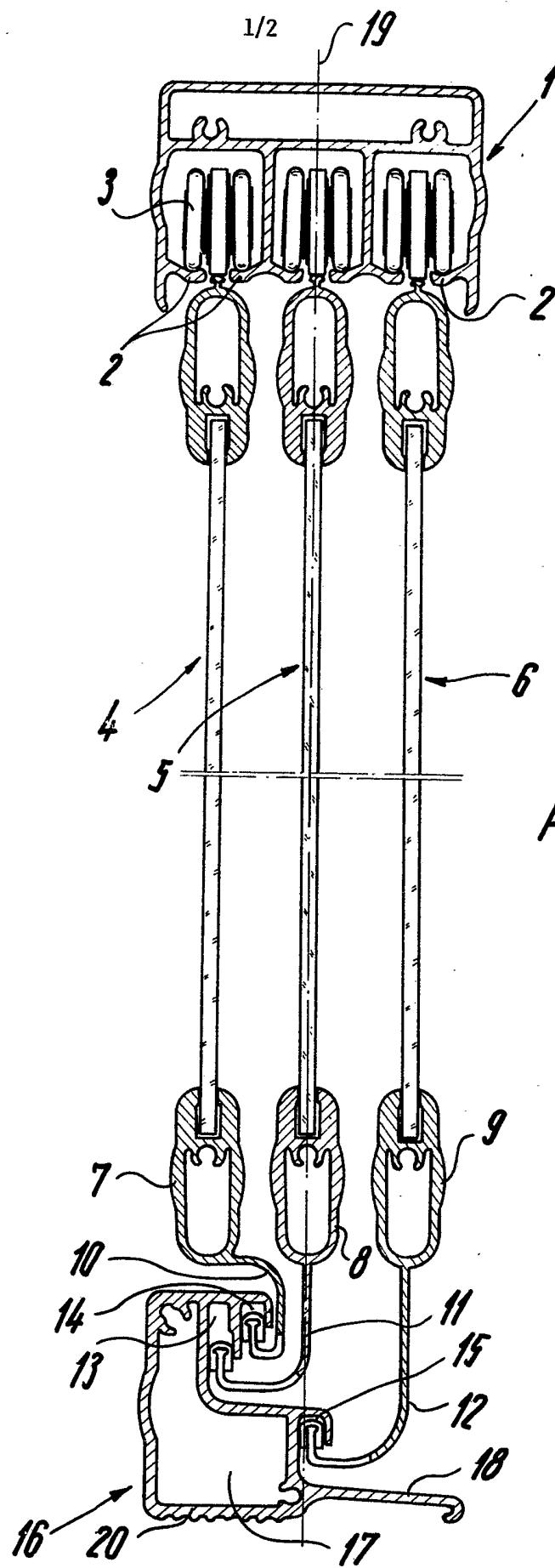
(57) A shower cabinet sliding door assembly having a frame 1 and sliding doors 4, 5, 6, the frame 1 having a lower horizontal frame member 16 provided with a hollow portion 17 which extends to one side of the

vertical central plane 19 of the frame 1 and which is provided with guide grooves 13, 14, 15, and a flange portion 18 which extends outwardly from the other side of the central plane 19 and projects from the hollow portion 17, the frame member 16 being placed on the upper edge of the wall of a base unit (23) of the shower.



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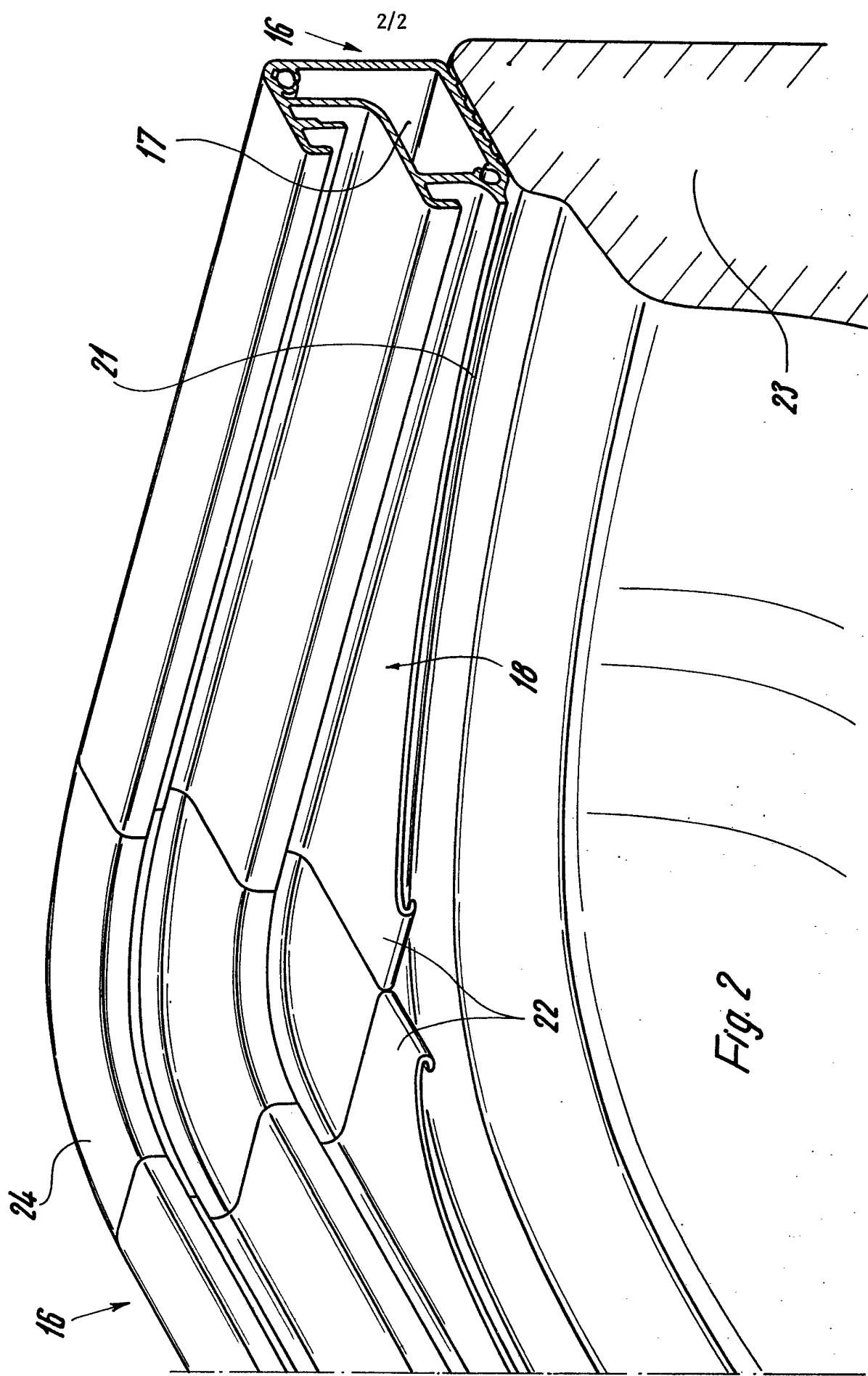


Fig. 2

## SPECIFICATION

## Shower cabinet sliding door assembly

This invention relates to a shower cabinet sliding door assembly consisting of a frame and at least two sliding doors.

It is known for the lower horizontal frame member of the frame to be in the form of a hollow member and to be provided with guide grooves in which are slidably guide limb portions of the sliding doors.

The lower horizontal frame member of the frame is supported on the edge of the shower unit base, which edge, in the upper region thereof, is provided with a shaped configuration which is intended to ensure that spray water runs off into the shower base. The surface shaping of the walls of the shower base avoids sharp edges, and, in the upper edge region, has a slight fall towards the base of the unit.

When the lower frame member of the frame is laid on the upper edge of the walls of the shower unit base, a gap is formed between the lower boundary surface of the frame member and the adjacent surface of the shower base, and the gap must be filled with a sealing material. The greater the structural depth of the screen frame member and the more intensive the shaping of the wall of the shower base in the upper edge region, the greater is the space which must be filled up with the sealing material.

The invention provides a shower cabinet sliding door assembly of the above-indicated kind, in which the lower horizontal frame member can be easily fitted to the edge region of the associated wall of the shower base unit and the gap which is formed between the frame member and the associated wall of the shower base unit and which is to be filled with a sealing material is small.

According to the present invention there is provided a shower cabinet sliding door assembly having a frame and at least two sliding doors, the lower horizontal member of the frame having a hollow portion which extends to one side of the vertical central plane of the frame and which is provided with guide grooves, and a flange portion which extends outwardly from the other side of the central plane and projects from the hollow portion.

In an embodiment of the invention, the flange is disposed at the level of the bottom of the hollow portion. The flange portion may have a recess which extends over the major part of its length and which is terminated by end portions of the flange portion.

The flange portion can be shaped to the contour of the upper edge region of the wall of the shower base unit. In the region of the hollow portion of the lower horizontal frame member, the wall of the shower base unit has an upper, substantially horizontal boundary surface.

Thus, the particular configuration of the frame member according to the invention provides only a small gap between the frame member and the wall of the shower base unit, which gap can be

65 easily filled with a sealing material.

An embodiment of the invention will now be described, by way of an example, with reference to the accompanying drawings, in which:

Figure 1 shows a view in vertical section of a shower cabinet sliding door assembly provided with three doors, and

Figure 2 shows in perspective view the lower screen frame member arranged on the wall of a shower unit base.

75 The screen frame has an upper horizontal profile member 1 in which there are provided guide tracks 2 for rollers 3 from which the sliding doors 4, 5 and 6 are suspended.

The sliding doors 4, 5, 6 have lower horizontal frame members 7, 8 and 9 respectively which engage by way of the free edges of their limb portions 10, 11 and 12, into guide grooves 13, 14 and 15 provided in the lower horizontal screen frame member 16. The lower horizontal screen

85 frame member 16 has a hollow portion 17 and a flange portion 18. The hollow portion 17 extends on one side of the central plane 19 of the screen frame 1. The flange portion 18 which extends inwardly into the shower cabinet is disposed at the level of the bottom wall 20 of the portion 17.

Figure 2 shows that the flange portion 18 has a curved recess 21 which is formed between the ends 22 of the flange portion 18. The flange portion 18 makes it possible for the lower

95 horizontal frame member 16 of the screen frame to be adapted to the surface contour of the wall 23 of the shower base unit. Associated with the hollow portion member 17 is a substantially horizontal, upper boundary surface of the wall 23.

100 When of full overall depth, the flange portion 18 would project into a region of the surface configuration of the wall, which has a fall toward the interior of the shower base unit. The selected recessing at 21 in the flange portion 18 provides

105 for optimum adaptation of the flange portion to the surface contours of the wall so that there is only a small gap which has to be filled with a sealing material, between the lower boundary surface of the frame member and the upper

110 boundary surface of the wall.

In the region of the transition between the recess 21 and the ends 22 of the flange portion, the boundary edge of the recess 21 extends in an arcuate curve.

115 Figure 2 shows that, in the corner of the shower base unit illustrated, lower horizontal screen frame members 16 which are cut at a right angle at each end are joined together by way of a corner connecting member 24.

## 120 CLAIMS

1. A shower cabinet sliding door assembly having a frame and at least two sliding doors, the lower horizontal member of the frame having a hollow portion which extends to one side of the vertical central plane of the frame and which is provided with guide grooves, and a flange portion

125 which extends outwardly from the other side of the central plane and projects from the hollow

portion.

2. A shower cabinet sliding door assembly as claimed in claim 1, in which the flange portion is disposed at the level of the bottom of the hollow portion.

5 3. A shower cabinet sliding door assembly as claimed in claim 1 or claim 2, in which the flange portion has a recess which extends over the major part of its length and which is terminated by end portions of the flange portion.

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4. A shower cabinet sliding door assembly as claimed in any preceding claim, in which in the region of the transition of the recess to the end portions of the flange portion, the boundary edge of the recess extends in an arcuate curve.

15 5. A shower cabinet sliding door assembly, substantially as hereinbefore described with reference to and as illustrated in the accompanying drawings.