Suction cup

The invention relates to a suction cup intended for temporary fixing on a substantially smooth, air-impermeable fixing surface, said suction cup comprising a supporting shell (3) and a flexible suction plate (4) as well as an operating mechanism for producing at least a partial vacuum between the suction plate and the fixing surface while changing the position of the suction plate (4) at least in some areas, wherein a vacuum indication device for indicating the partial vacuum is provided. To provide for a constructionally simple vacuum indicating device allowing a reduction of the partial vacuum being easily and reliably detected by non-skilled persons even under different environmental conditions, a vacuum indicating device is equipped with an indicating element mechanically coupled to the suction plate. The indicating element is capable of indicating a change of the partial vacuum which can be detected optically and/or haptically. The indicating device can be integrated in the operating mechanism.

In one embodiment, the indicating device is integrated in the operating element (7) of the operating mechanism, the vacuum indicating device being configured in such a manner that a coupling mechanism is provided within the operating element, said coupling mechanism transferring the movement of the suction plate to a clearly visible and haptically detectible movement of an indicating element (42).

“In a variant of this embodiment illustrated in the figures 4 to 6, the coupling mechanism integrated in the operating element (7) is so designed that a continued loss of partial vacuum a practically continuous dislocation of the indicating element (7) a sufficient partial vacuum takes place.”