

Title (en)

DEVICE FOR APPLYING LIQUIDS USED IN WRITING, DRAWING, PRINTING OR PAINTING OR THE LIKE TO A BACKGROUND

Title (de)

GERÄT ZUM AUFTRAGEN VON SCHREIB-, ZEICHEN-, DRUCK-, MALFLÜSSIGKEIT ODER DERGLEICHEN AUF EINEN UNTERGRUND

Title (fr)

DISPOSITIF D'APPLICATION DE LIQUIDE D'ECRITURE, DE GRAPHISME, D'IMPRESSION, DE DESSIN OU SIMILAIRE SUR UN SUPPORT

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Application

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Abstract (en)

[origin: DE19948477A1] The invention relates to a device for applying a liquid used in writing, drawing, printing, painting or the like to a background, containing a liquid chamber (16) located in a housing (2), an application element (10), an air feed line, which connects the outer atmosphere to the inside of the liquid chamber, a capillary body (40) which is arranged in such a way that liquid which emanates from the liquid chamber through the orifice of the air inlet line does not come into contact with the capillary of the liquid conductor (22, 24), nor with the application element (10), nor with the outer area of the housing and a fluidic connection (22, 24, 26) to a capillary liquid conductor (22, 24) which protrudes into the liquid chamber (16) from the application element (10). A fluidic connection between the liquid positioned in the liquid chamber and the capillary liquid conductor (22, 24) is interrupted when the device is placed in a downwards position with the application element. is interrupted by the application element when the device points downwards. The air feed line leads via a capillary air channel (36; 62), into the liquid chamber (16) and is at least connected to the liquid of the liquid chamber(16) if said liquid is connected to the capillary liquid conductor (24). The capillaries of the capillary air channel are directly connected to the capillary body (40) and the capillarity of the capillary air channel (36) is smaller than that of the capillary liquid conductor (22, 24). The capillarity of the capillary body (40) is smaller than that of the capillary channel.

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