

Title (en)
IMPLEMENT, ESPECIALLY WRITING IMPLEMENT

Title (de)
GERÄT, INSBESONDERE SCHREIBGERÄT

Title (fr)
INSTRUMENT, NOTAMMENT INSTRUMENT D'ECRITURE

Publication
EP 1187729 A1 20020320 (DE)

Application
EP 00945736 A 20000609

Priority
• DE 19926488 A 19990610
• EP 0005361 W 20000609

Abstract (en)
[origin: DE19926488A1] The invention relates to an implement, especially a writing implement, for applying a liquid onto a base by means of an application element (12). Said implement comprises a liquid-containing chamber (6) for receiving a supply of liquid and a capillary liquid duct (16) for supplying the application element (12) with the liquid. The implement is further provided with a capillary reservoir (18) for temporarily receiving liquid when the air pressure and/or the temperature changes, said reservoir directly contacting the liquid duct (16) outside the liquid-containing chamber, and with an aeration path (22, 4) which at least partially extends through a capillary material (4) and through which air flows into the liquid-containing chamber when the liquid volume taken up in the liquid-containing chamber decreases. The capillary actions of the liquid duct are greater than those of the capillary material of the aeration path and the capillary actions of the reservoir are smaller than those of the capillary material of the air intake. At least a part (4) of a wall (2, 4) of the liquid-containing chamber (16) consists of a capillary material and constitutes a part of the aeration path (22, 4). The smallest capillary action of the capillary material of the aeration path is greater than those of the major part of the reservoir (18) and is smaller than the smallest capillary action of the liquid duct (16).

IPC 1-7
B43K 8/06

IPC 8 full level
B43K 5/18 (2006.01); **B43K 8/02** (2006.01); **B43K 8/06** (2006.01); **B43K 8/08** (2006.01)

CPC (source: EP)
B43K 5/18 (2013.01); **B43K 8/003** (2013.01); **B43K 8/02** (2013.01); **B43K 8/08** (2013.01)

Citation (search report)
See references of WO 0076782A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19926488 A1 20001221; **DE 19926488 B4 20040527**; AU 5972000 A 20010102; DE 50008909 D1 20050113; EP 1187729 A1 20020320; EP 1187729 B1 20041208; WO 0076782 A1 20001221

DOCDB simple family (application)
DE 19926488 A 19990610; AU 5972000 A 20000609; DE 50008909 T 20000609; EP 0005361 W 20000609; EP 00945736 A 20000609