

Title (en)  
PENCIL

Title (de)  
STIFT

Title (fr)  
CRAYON

Publication  
**EP 1192049 A1 20020403 (DE)**

Application  
**EP 00949307 A 20000711**

Priority  
• DE 19932460 A 19990712  
• EP 0006574 W 20000711

Abstract (en)  
[origin: US6409407B1] A pen or pencil having a shaft which in its peripheral surface has at least one first and at least one second surface region. Irradiation of the first surface region with light of a first light quantity per unit of surface area results in an emission of visible light in the second surface region, wherein the light quantity emitted in the second surface region per unit of surface area for at least one first frequency is greater than the light quantity per unit of surface area of the first frequency, which is absorbed in the first surface region.

IPC 1-7  
**B43K 5/00**

IPC 8 full level  
**B43K 19/02** (2006.01); **B43K 3/00** (2006.01); **B43K 5/00** (2006.01); **B43K 19/00** (2006.01); **B43K 19/16** (2006.01); **B43K 21/00** (2006.01)

CPC (source: EP US)  
**B43K 19/00** (2013.01 - EP US); **B43K 19/16** (2013.01 - EP US)

Citation (search report)  
See references of WO 0103946A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6409407 B1 20020625**; AT E236022 T1 20030415; DE 19932460 C1 20001019; DE 50001632 D1 20030508; EP 1192049 A1 20020403; EP 1192049 B1 20030402; ES 2192536 T3 20031016; JP 2003504243 A 20030204; WO 0103946 A1 20010118

DOCDB simple family (application)  
**US 88954401 A 20010718**; AT 00949307 T 20000711; DE 19932460 A 19990712; DE 50001632 T 20000711; EP 0006574 W 20000711; EP 00949307 A 20000711; ES 00949307 T 20000711; JP 2001509389 A 20000711