

Title (en)
Sharpener with integrated protective cap

Title (de)
Spitzer mit integrierter Schutzkappe

Title (fr)
Taille crayon avec capuchon de protection intégré

Publication
EP 1647416 B1 20071212 (DE)

Application
EP 04024723 A 20041016

Priority
EP 04024723 A 20041016

Abstract (en)
[origin: EP1647416A1] A pencil cap (4) is articulated with respect to a sharpener housing (2) via hinge (5). The cap is turned about the hinge axis (14), tangential to the cap and the housing, to either closed position (15) or opened position, blocking or allowing pencil entry into the pencil introduction opening of the housing.

IPC 8 full level
B43L 23/08 (2006.01); **A45D 40/20** (2006.01); **B43K 29/06** (2006.01)

CPC (source: EP US)
B43K 23/10 (2013.01 - EP US); **B43K 29/00** (2013.01 - EP US); **B43K 29/004** (2013.01 - EP US); **B43K 29/02** (2013.01 - EP US);
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Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 202005000074 U1 20060223; DE 502004005707 D1 20080124; EP 1647416 A1 20060419; EP 1647416 B1 20071212;
EP 1647416 B9 20080514; US 2006080846 A1 20060420

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DE 202005000074 U 20050105; DE 502004005707 T 20041016; EP 04024723 A 20041016; US 25234005 A 20051017