

Title (en)  
Sharpener.

Title (de)  
Spitzer.

Title (fr)  
Taille-crayon.

Publication  
**EP 0436169 B1 19940309 (DE)**

Application  
**EP 90124174 A 19901214**

Priority  
DE 4000122 A 19900104

Abstract (en)  
[origin: US5167071A] A sharpener for lead pencils, colored pencils, cosmetic pencils and the like with an essentially cuboid shaped sharpener housing, in which the longitudinal lateral sides of the sharpener housing are provided with complementary protrusions or recesses that allow fitting together of two sharpeners.

IPC 1-7  
**B43L 23/08**

IPC 8 full level  
**B43L 23/08** (2006.01)

CPC (source: EP US)  
**B43L 23/08** (2013.01 - EP US)

Cited by  
CN108883656A; WO2017157843A1

Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**EP 0436169 A1 19910710; EP 0436169 B1 19940309**; AT E102552 T1 19940315; DE 4000122 A1 19910711; DE 59004919 D1 19940414; ES 2049904 T3 19940501; US 5167071 A 19921201

DOCDB simple family (application)  
**EP 90124174 A 19901214**; AT 90124174 T 19901214; DE 4000122 A 19900104; DE 59004919 T 19901214; ES 90124174 T 19901214; US 82185392 A 19920114