

Title (en)

Sharpener for soft pencil leads

Title (de)

Spitzer, insbesondere für Weichminenstifte

Title (fr)

Taille-crayon pour crayons à mine tendre

Publication

EP 0983870 B1 20011107 (DE)

Application

EP 99113496 A 19990713

Priority

DE 19840309 A 19980904

Abstract (en)

[origin: EP0983870A1] The sharpener has an accommodation channel (5) for the useful end of the pencil (6) in a housing (2) and a blade-like shaping device (8). The housing sits on the shaft of the marker pencil as a protective cap whilst the pencil is not in use. The clamp connecting device is an external clamping force generator (21,28) that can be manually removed from housing engagement.

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)

Designated contracting state (EPC)

DE FR GB IE IT

DOCDB simple family (publication)

EP 0983870 A1 20000308; EP 0983870 B1 20011107; DE 19840309 A1 20000309; DE 59900399 D1 20011213; US 6286218 B1 20010911

DOCDB simple family (application)

EP 99113496 A 19990713; DE 19840309 A 19980904; DE 59900399 T 19990713; US 36864699 A 19990805