

Title (en)

Sharpener for soft pencil lead

Title (de)

Spitzer, insbesondere für einen Weichminenstift

Title (fr)

Taille-crayon pour crayon à mine tendre

Publication

EP 1277596 B1 20050406 (DE)

Application

EP 02000859 A 20020115

Priority

DE 20111956 U 20010719

Abstract (en)

[origin: EP1277596A2] Sharpener (1) comprises a housing (2) inserted in a container (7) and having a sharpening channel (6) with an inclined blade (4) opening via a channel opening (13) into a free space (14). A magnifying glass (11) magnifying the sharpening of the lead is positioned in the region of the channel opening and/or the free space. Preferred Features: The magnifying glass is an integral part of the housing and is arranged in a long side of the housing, or is an integral part of the container and is arranged in the container lid (7b).

IPC 1-7

B43L 23/08

IPC 8 full level

B43L 23/00 (2006.01); **B43L 23/08** (2006.01)

CPC (source: EP US)

B43L 23/00 (2013.01 - EP US); **B43L 23/085** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 20111956 U1 20011004; DE 50202692 D1 20050512; EP 1277596 A2 20030122; EP 1277596 A3 20040107; EP 1277596 B1 20050406; US 2003014870 A1 20030123; US 6634108 B2 20031021

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DE 20111956 U 20010719; DE 50202692 T 20020115; EP 02000859 A 20020115; US 6293902 A 20020131