

Title (en)

PROCESS FOR ENCLOSING A PENCIL, LEAD AND PENCIL LEAD OBTAINED BY THIS PROCESS

Publication

EP 0325923 A3 19900314 (FR)

Application

EP 89100201 A 19890107

Priority

CH 17988 A 19880119

Abstract (en)

[origin: EP0325923A2] The pencil lead is introduced into a tube slightly greater in diameter than the pencil lead and made of a heat-shrinkable plastic material. The tube and pencil lead are then heated together to cause the plastic material to shrink onto the outer surface of said pencil lead.

IPC 1-7

B43K 19/16; **B43K 19/14**

IPC 8 full level

B43K 19/00 (2006.01); **B43K 19/14** (2006.01); **B43K 19/16** (2006.01)

CPC (source: EP)

B43K 19/14 (2013.01); **B43K 19/16** (2013.01)

Citation (search report)

- [X] US 3520627 A 19700714 - SUZUKI YASU HARU
- [Y] DE 3618706 A1 19861211 - CARAN D ACHE CRAYONS [CH]
- [X] US 2168993 A 19390808 - ALEX JOSEPH
- [A] US 3022543 A 19620227 - BAIRD JR WILLIAM G, et al
- [A] DE 2234737 A1 19730215 - HASBRO INDUSTRIES INC

Cited by

EP1464248A1; US5399041A; GB2308099A; US5735622A; GB2308099B; US9963591B2; WO2004086903A1; WO9405511A1; EP2730428A1; EP2499932B1

Designated contracting state (EPC)

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DOCDB simple family (application)

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