

Title (en)
MULTI-PEN

Title (de)
MULTISTIFT

Title (fr)
STYLO MULTIPLE

Publication
EP 2762327 A4 20150527 (EN)

Application
EP 12835150 A 20120828

Priority

- JP 2011210193 A 20110927
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- JP 2012071632 W 20120828

Abstract (en)

[origin: EP2762327A1] A composite writing instrument is provided in which a knock bar can be shortened and a refill allowing long writing can be mounted without increasing a length of the whole writing instrument. The instrument has a plurality of guide slits 11 each formed along an axial direction and spaced circumferentially on a rear end side of a body cylinder, a plurality of knock bars 18 to which rear end portions of writing means 5 accommodated in the body cylinder are respectively connected and which are respectively guided in the guide slits, and a rotating cam 25 having formed therein a locking portion 31c for locking the knock bar in an advanced state, the rotating cam being rotationally driven as one knock bar is slid towards a top end of the body cylinder. The rotating cam is rotationally driven as another knock bar is slid to unlock the locking portion in the one knock bar and lock the another knock bar in the advanced state by means of said locking portion 31c.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] DE 3405543 A1 19850822 - JAECKLE ROLAND
- [Y] FR 2738187 A1 19970307 - MITSUBISHI PENCIL CO [JP]
- [A] US 2002176731 A1 20021128 - TORII OSAMU [JP]
- [A] EP 1600304 A2 20051130 - KOTOBUKI & CO LTD [JP]
- See references of WO 2013047052A1

Cited by

EP3911523A4; JP2015143020A; EP3575103A1; EP3657303A1; WO2020149883A1; US11104179B2; US11400749B2; US11513614B2;
WO2020104613A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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