

Title (en)

Felt tipped feeding assembly and writing instrument fed from a standard disposable cartridge of aqueous ink

Title (de)

Zuführanordnung mit Filzspitze und aus einer Standardeinwertkartusche mit wässriger Tinte gespeistes Schreibinstrument

Title (fr)

Ensemble d'alimentation à pointe feutre et instrument d'écriture alimenté à partir d'une cartouche jetable standard d'encre aqueuse

Publication

**EP 3031613 A1 20160615 (EN)**

Application

**EP 14004191 A 20141212**

Priority

EP 14004191 A 20141212

Abstract (en)

The invention relates to a felt tipped feeding assembly (1) and writing instrument (2) fed from a standard disposable cartridge of aqueous ink (3). The writing instrument (2) includes the feeding assembly (1) that comprises at least: a writing point (4), a feeder and a hollow core (21) for connection to an ink container. An ink flow regulator (36) includes a cylindrical lengthwise bore (39) formed inside the writing instrument (2), e.g. calculated from fluid parameters of the water based ink like dynamic viscosity. The writing point (4) is integrated to a stem feeder (19) to form the frontwards end thereof; the ink container is a standard sized water based ink cartridge (3) and the rear end of the hollow core (21) has a connection of the feeding assembly (1) to this standard ink cartridge (3). The invention typically allows producing various types and shapes of writing instrument e.g. for drawing, marking and scriptural language, dedicated to various surfaces.

IPC 8 full level

**B43K 8/02** (2006.01); **B43K 8/03** (2006.01); **B43K 8/12** (2006.01); **B43K 8/14** (2006.01)

CPC (source: EP)

**B43K 8/024** (2013.01); **B43K 8/03** (2013.01); **B43K 8/12** (2013.01); **B43K 8/146** (2013.01)

Citation (applicant)

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- JP 2005007740 A 20050113 - TOMBOW PENCIL
- US 4966480 A 19901030 - WATANABE HITOSI [JP], et al
- US 6276860 B1 20010821 - NAKAJIMA NOBUYUKI [JP], et al
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Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3031613 A1 20160615; EP 3031613 B1 20200923**

DOCDB simple family (application)

**EP 14004191 A 20141212**