

Title (en)

PRESSURE REGULATION DEVICE AND METHOD FOR A WRITING INSTRUMENT

Title (de)

DRUCKREGELUNGSVORRICHTUNG UND -VERFAHREN FÜR EIN SCHREIBINSTRUMENT

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RÉGULATION DE PRESSION POUR UN INSTRUMENT D'ÉCRITURE

Publication

EP 4079526 A1 20221026 (EN)

Application

EP 21305524 A 20210420

Priority

EP 21305524 A 20210420

Abstract (en)

A pressure regulation device (10) including a body (20) extending between a first end (22) and a second end (24), the body (20) configured to be coupled to a free ink writing instrument (100) so as to define a first reservoir (34) between the body and the writing instrument, and the body defining a second reservoir (36) in communication with the first reservoir, a piston (60) positioned between the first end and the second end of the body, the piston configured to move axially from a first position toward a second position, wherein coupling the body to the writing instrument moves the piston from the first position toward the second position, pressure increases in the second reservoir when the piston moves from the first position toward the second position, and fluid flows from the second reservoir to the first reservoir when pressure is increased in the second reservoir.

IPC 8 full level

B43K 5/06 (2006.01); **B43K 7/03** (2006.01); **B43K 8/03** (2006.01); **B43K 8/14** (2006.01); **B43K 8/16** (2006.01)

CPC (source: EP)

B43K 5/06 (2013.01); **B43K 7/03** (2013.01); **B43K 8/03** (2013.01); **B43K 8/146** (2013.01); **B43K 8/165** (2013.01)

Citation (search report)

- [XY] FR 2834243 A1 20030704 - DELAUZUN JEAN [FR]
- [Y] US 3854826 A 19741217 - ADAMS P

Cited by

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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)

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Designated validation state (EPC)

KH MA MD TN

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DOCDB simple family (application)

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