

Title (en)
Improved artificial insemination device with an inner catheter for animals

Title (de)
Besamungsvorrichtung für Tiere mit einem internen Katheter

Title (fr)
Appareil pour insémination artificielle pour animaux avec un cathéter interne

Publication
EP 1757248 A1 20070228 (EN)

Application
EP 06013544 A 20060630

Priority
• US 20875005 A 20050823
• DE 10551007 A 20051025
• DE 20516703 U 20051025

Abstract (en)
An improved artificial insemination device with an inner catheter for animals is disclosed. The device is characterized by having a thin flexible tube and a positioning stop member installed respectively at the front end and rear end of an inner catheter that is movably inserted in the catheter tube. The thin flexible tube instantly extends forward from the front end of inner catheter when semen is squeezed into the inner catheter. Thus after the nozzle of catheter tube reaches the first cervical ring of the animal, the inner catheter only needs to extend inward a proper distance, and the semen, with the aid of squeeze force and the thin flexible tube advancing freely along the cervical tract, could be delivered to uterus smoothly, swiftly and accurately without causing trauma to the uterus. Also with the arrangement of the positioning stop member, the distance the inner catheter travels inward can be set. As the depth and location of inward extension are under proper control, the practice of artificial insemination is made simple, convenient, fast, efficient and safe for the animal.

IPC 8 full level
A61D 19/02 (2006.01)

CPC (source: EP)
A61D 19/027 (2013.01)

Citation (applicant)
US 6526917 B1 20030304 - ANDERSON MARK E [US], et al

Citation (search report)
• [Y] EP 1250897 A1 20021023 - IBERICA DE REPRODUCCION ASISTI [ES]
• [YA] US 6526917 B1 20030304 - ANDERSON MARK E [US], et al

Cited by
FR2977145A1; CN109646099A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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