

## Title (en)

Gynecological instrument, particularly for the artificial insemination or veterinary treatment of animals such as piglets.

## Title (de)

Gynäkologisches Instrument, insbesondere für künstliche Befruchtung oder tierärztliche Behandlung, wie z.B. für Ferkel.

## Title (fr)

Instrument gynécologique, notamment pour l'insémination artificielle ou le traitement vétérinaire des animaux tels que les porcins.

## Publication

**EP 0189702 A1 19860806 (FR)**

## Application

**EP 85402582 A 19851220**

## Priority

FR 8419723 A 19841221

## Abstract (en)

1. A gynaecological instrument primarily for artificial insemination or the veterinary treatment of animals, such as pigs, of the type comprising a catheter consisting of a protective outer sleeve (1) serving as a casing for a pipe (2) which is for the transfer of a substance and is capable of moving axially in relation to the sleeve and within the latter, and means for supplying semen, wherein the sleeve (1) comprises a projecting tubular nozzle (3) passed through by the transfer pipe (2) and having, at its free end, an opening (6) for the passage of said transfer pipe (2), this nozzle serving to axially immobilize said sleeve in the cervix of the animal ; an instrument characterized in that the nozzle is flexible and its opening (6) for through-passage has a smaller cross-section than the pipe (2) in order to grip the latter, to act as a brake thereon and to ensure that it is immobilized with regard to the nozzle, and the introductive end of the transfer pipe (2) is provided with a spherical head (4) blocking its cross-section, communication between the internal channel of the transfer pipe and the exterior being effected by at least one lateral opening (5) set back from the spherical head, said pipe (2) being movable between two positions which correspond respectively to two positions of the head (4) in relation to the projecting nozzle, one blocking position where it closes the opening (6) for passage of the transfer pipe (2), the other, furthest position, being where it is remote from this opening (6) in order to permit the ejection of the substance into the uterine cavity, and in that the said blocking position and furthest position as well as an intermediate projecting position are indicated by a respective guide mark borne by the pipe (2) ; and in that the said sleeve (1) is opaque and has a thickness of several tenths of a millimeter.

## Abstract (fr)

L'invention concerne un instrument gynécologique notamment pour l'insémination artificielle ou le traitement vétérinaire des animaux tels que les porcins, du type comportant une sonde constituée d'une gaine protectrice servant de fourreau à un conduit de transfert de substance, susceptible de se déplacer axialement par rapport à la gaine, et des moyens d'alimentation en semence. Cet instrument est caractérisé en ce que la gaine (1) comporte un embout tubulaire en saillie (3), traversé par le conduit de transfert télescopique (2), servant à l'immobilisation axiale de ladite gaine dans le cervix de l'animal, l'extrémité introductive du conduit (2) étant pourvue d'une tête sphérique (4) obturant sa section, la communication entre le canal interne du conduit et l'extérieur étant réalisée par au moins une ouverture latérale située en retrait de la tête (4), cette dernière pouvant prendre au moins deux positions par rapport à l'embout, l'une d'obturation, où elle ferme l'orifice de passage du conduit (2), l'autre d'ouverture, où elle est éloignée de cet orifice, pour permettre l'éjection de la substance dans la cavité utérine.

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