

Title (en)

Portable device for vaccination of pigs.

Title (de)

Tragbare Vorrichtung zum Impfen von Schweinen.

Title (fr)

Installation portative de vaccination porcine.

Publication

**EP 0420744 A1 19910403 (FR)**

Application

**EP 90402640 A 19900925**

Priority

FR 8912566 A 19890926

Abstract (en)

The portable device for vaccination of pigs comprises an apparatus for administration by jet of doses of approximately 0.2 ml, connected to a supply of vaccine composition having the corresponding concentration.

Abstract (fr)

L'installation portative de vaccination porcine, comprend un appareil d'administration par jet de doses de 0,2 ml environ, relié à une alimentation en composition vaccinale ayant la concentration correspondante.

IPC 1-7

**A61D 1/02**

IPC 8 full level

**A61D 1/02** (2006.01)

CPC (source: EP)

**A61D 1/025** (2013.01)

Citation (applicant)

- P. VANNIER, RECUEIL DE MÉDECINE VÉTÉRINAIRE, vol. 162, no. 1, 1986, pages 37 - 44
- BRUN A. ET AL., 9TH CONGRESS IPVS BARCELONA, 15 July 1986 (1986-07-15)
- A. BRUN, 10È CONGRÈS I.P.V.S., 14 August 1988 (1988-08-14)
- J.B. MC FERRAN: "International Symposium on Immunity to Infections of the Respiratory System in Man and Animals", DEVELOP. BIOL. STANDARD., vol. 28, 1974, pages 563 - 570
- C. STELLMANN, JOURNAL OF BIOLOGICAL STANDARDIZATION, vol. 17, 1989, pages 17 - 27

Citation (search report)

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- [A] FR 2373270 A1 19780707 - CESARO GIULIO [IT]
- [A] US 3933155 A 19760120 - JOHNSTON CHARLES

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

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**EP 90402640 A 19900925**; AT 90402640 T 19900925; CA 2026115 A 19900925; DE 69004915 T 19900925; DK 90402640 T 19900925; ES 90402640 T 19900925; FR 8912566 A 19890926; JP 25679990 A 19900926; PT 9539590 A 19900924