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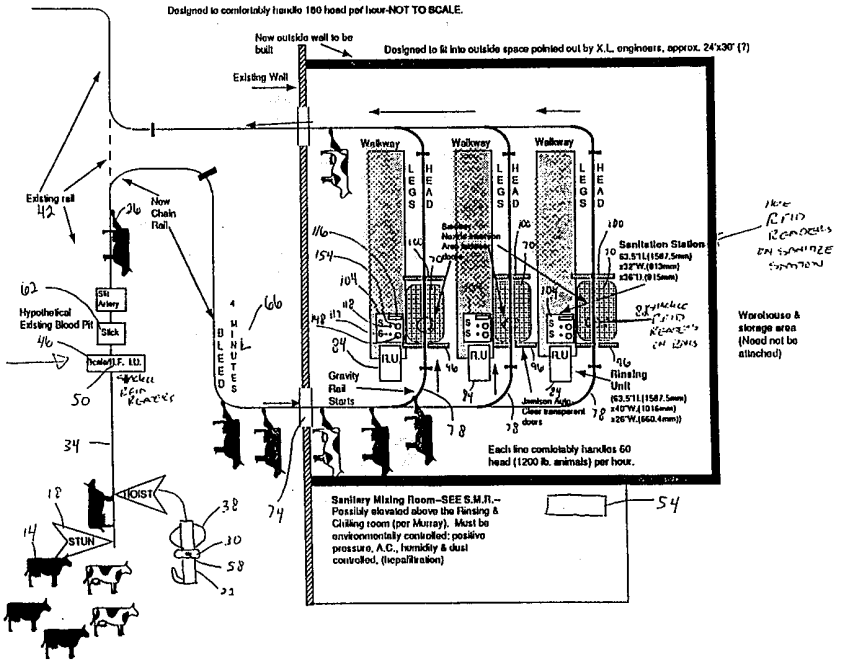
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(54) **Title:** RADIO FREQUENCY IDENTIFICATION DEVICE AND METHOD OF USE




(57) **Abstract**

In the inventive method for the sanitary rinsing of an animal (14), an assembly line is provided which includes a plurality of shackles (22). Each shackle includes an inventive RFID tag (58) which includes a machine readable unique shackle number. Once an animal is stunned and attached to a shackle the animal is moved to a weighing station (46), which is equipped with an RFID tag reader (50), weighs the animal and transmits the weight and shackle number to a computer where the data is recorded in a database (55). The animal is then bled and moved to a rinsing station (84), which is equipped with an RFID tag reader (136) which reads the shackle number. The system then looks up the weight of the animal to be rinsed at that particular rinsing station and calculates the amount of solution to inject into the circulatory system of the animal. After the end of the hose (115) and nozzle (92) and the operator's hands are sanitized, which is verified by the system, the nozzle is inserted into an entry point into the circulatory system and the operator starts the flow of the predetermined amount of solution into the animal. If the flow is not started within a time window, the operator must resanitize.

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# INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/11021

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(6) :A22B 5/08
US CL : 452/173; 342/42
According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 452/173; 342/42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | US 3,178,763 A (KOLMAN) 20 APRIL 1965 (20.04.65) SEE ENTIRE DOCUMENT | 1-15 |
| A | US 4,337,549 A (ANDERSON, ET AL) 06 JULY 1982 (06.07.82) SEE ENTIRE DOCUMENT | 1-15 |
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[X] Further documents are listed in the continuation of Box C. [ ] See patent family annex.

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**INTERNATIONAL SEARCH REPORT**

International application No.
PCT/US99/11021

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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