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20th September 2008

TRACEABILITY WITH BEEFTECH SYSTEMS.

1. Abbreviations & Codes
 - a. M = Member or farm identifier code
 - b. F = Feedlot identifier
 - c. Y = Last digit of year
 - d. W = Week within a year
 - e. N = Sequential follow on number
 - f. C = Colour Code
 - g. A = Animal Type
 - h. P = Product Code
 - i. K = Crate Type

2. Tags and Labels used within the system.
 - a. Number used at Registration into the livestock management system.
 - i. Livestock. 4 numbers are catered for within the system.
 1. Farm code MMMMMMMM
 2. Internal Feedlot Number FFFYWWNNNNC
 3. Feedlot Tag Number CCCNNNNN
 4. E-tag Number According to supplier's world wide number. Normally a 23 digit alphanumeric code

The Beeftech system handles all types of tags & formats available in the market.

 1. Beeftech Designed & patented e-tag
 2. Allflex electronic tag
 3. Various Bar coded tags
 4. All industry supplied numbered tags
 - ii. Abattoir
 1. Up to slaughter pen
 - a. All above tag types
 2. After Slaughter Pen
 - a. Uniquely defined paper labels (each label with a unique number). The labels are stuck to the carcass while still wet. The carcass vat and moisture acts as glue and as soon as the carcass dries the label can not be removed and must be cut off.
 - i. Cattle and Large game. 9 Labels
 1. Head (1)
 2. Red Offal (1)
 3. White offal (1)
 4. Buttock (2)
 5. Rump & Loin (2)
 6. Forequarter (2)

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- ii. Sheep, goats and small game. 3 Labels
 1. Head (1)
 2. Red Offal (1)
 3. White Offal (1)
 4. Side (2)
 5. Blank(1)
 - iii. Pigs 3 labels.
 1. Side (2)
 2. Blank (1)
3. De-boning & Production.
- a. Each crate used through the deboning process is tagged with a life long standard bar coded number or an electronic tag KKKNNNN.
 - b. Each cut of meat weighed at the plant gets a unique number YWWAPPPNNNN.
3. Procedures.
- a. Livestock.
 - i. Commercial breeding herd.
 1. All animals are tagged with 2 tags.
 - a. Standard visual identified tag.
 - b. Unique e-tag
 2. At birth each calf is tagged in the same manner with reference to its sire and dame. Data required for registration is.
 - a. Registered owner of animal
 - b. Location of animal
 - c. Animal Type (Breed)
 - d. Hide colour
 - e. Gender
 - f. Sire
 - g. Dame
 - h. Cube definition.(Height length width)
 - i. Other related data
 - ii. Finishing and Feedlot
 1. On weaning the number stays with the calf and no new number needs to be allocated.
 2. On purchasing of new animals each animal is re-registered and the same process as for the calf above is followed.
 3. On sale each animals number is captured and registered to its destination
 - iii. Abattoir.
 1. On arrival at the abattoir the transaction is registered. And each animal at the "Skiet Hok" is associated with the above source.
 2. Each carcase is numbered and tagged and moved to the chiller for sale or deboning.
 3. Each carcase or numbered major cut, sold to a client is recorded.
 - iv. De-boning/Production.

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1. Unless a full bill of materials with proper production procedures are available. Traceability to source is lost at this stage.
2. Each cut of meat is weighed and number according to the distributors requirements.
 - a. Any cut distributed to any major retailer loses its traceability at this stage as the barcode on the label does not reflect the source.
 - b. If a cut of meat follows the proper production line process it can be traced back to source.
 - c. Products like mince "wors" and many other bulk items can not be traced to original source only to its point of production.
4. Traceability Marking.
 - a. The Beeftech system automatically marks each item with an internal traceability identifying code.
 - i. 1. Original breeder with sire & dame
 - ii. 2. Finishing/Feedlot origination
 - iii. 3. Abattoir identifier with carcass number
 - iv. 4. Abattoir only
 - v. 5. No traceability
5. **Confidentiality**

This document is submitted on the understanding that all proprietary information relating to the products and business of Beeftech Marketing (Pty) Ltd, disclosed in this document, be used exclusively for evaluation and that the recipient will not directly or indirectly copy, use or disclose or permit to be copied, used or disclosed, any of the proprietary information in whole or in part without the written consent of Beeftech Marketing (Pty) Ltd.

Products and systems detailed and described in this quotation are protected under the conditions of South African patent application No: 2002/0915 2004/5739 2005/07659 2007/01504 F2007/00327

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6. Abattoir Labels

LYD 290084-KOP

Mark : CG SKAAP
Lot No : 290083 23/09/2008 (Tue)
PRIVAAT SLAGTING
0132353348



LYD 290084

Mark : CG SKAAP
Lot No : 290083 23/09/2008 (Tue)
PRIVAAT SLAGTING
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LYD 290084

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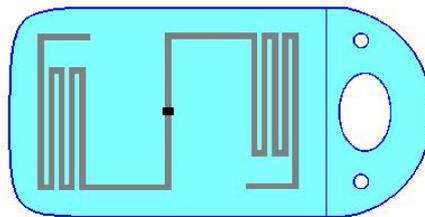
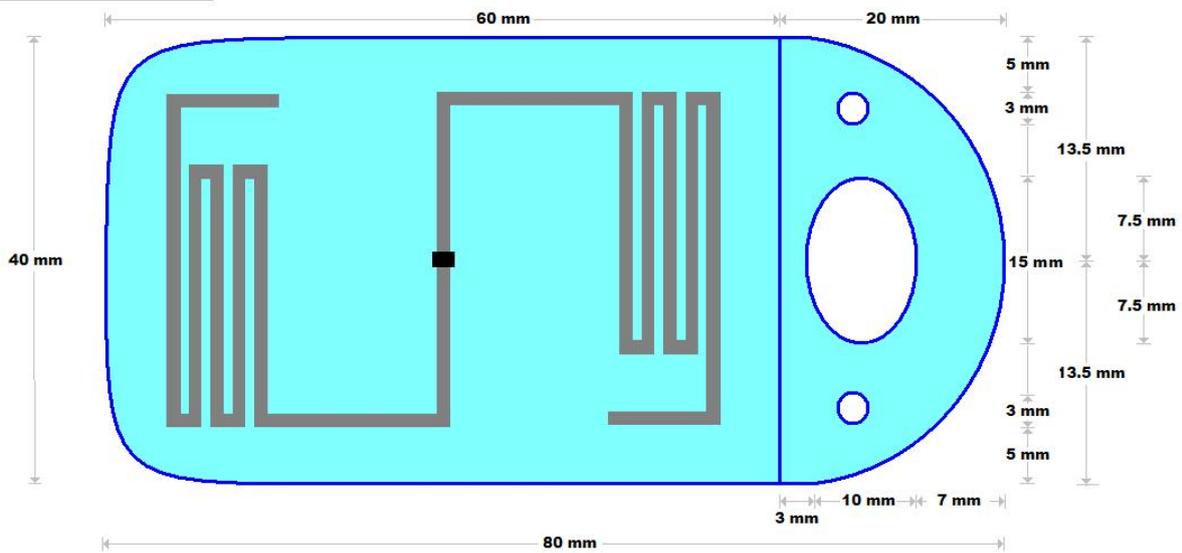
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7. E-tags used by Beeftech

Final Design - New Soft Tag

20 February 2007



REAL SIZE

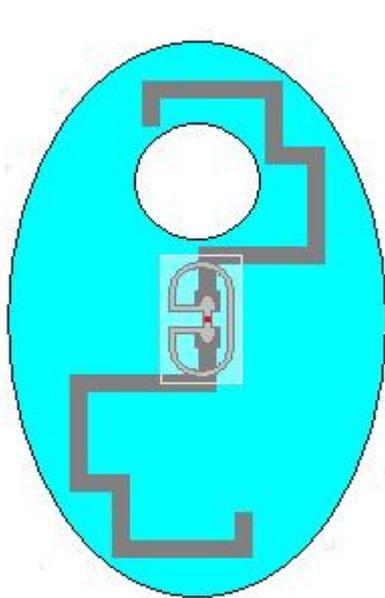
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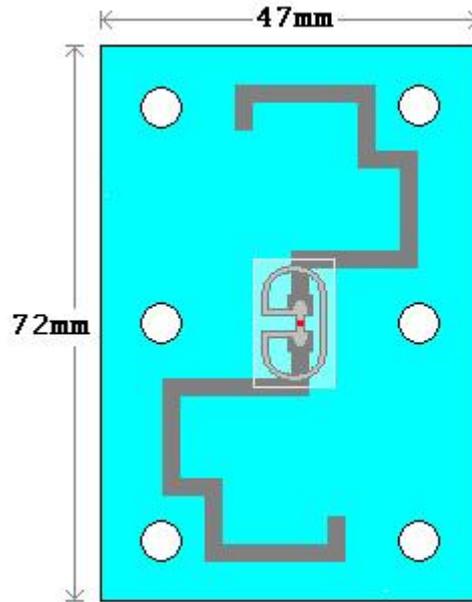


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Animal Tag



Pallet & Box Tag



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