FROM IDEA TO MARKET: THE CASE OF A BANANA VALUE CHAIN INCUBATOR

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IMPORTANCE OF IP IN INNOVATION PROMOTION & ITS EXPLOITATION: ROLE OF PUBLIC POLICY

- Content
- Introduction
- > IP Value
- Innovations
- > IP promotion
- > IP exploitation
- > IP public policy

"From Cottage to Industry"

• An idea came to mind to solve a huge societal challenge/problem. The main challenge was to ease transportation of bulky green bananas by 40% (peels and stocks) and deliver 60% to final end user(consumer), save fuel of trucks, reduce urban garbage accumulation and avail ready to cook product to households without using common child labour(house girls) for peeling. Technical and scientific approach of machine peeling and inactivating spoilage enzymes had to be sought. It made a success by acquiring a Patent and US FDA certification.

Intellectual Property Overview

- Introduction
- Patents
- Industrial Designs
- Trademarks
- Copyrights
- Trade secrets

Introduction

- Intellectual Property
 - Rights for intangible creations of the mind
 - Corporate assets
 - Recognized by national laws and international treaties
 - Comprises industrial property and copyright

Introduction

- Industrial Property
 - Intangible assets created for advancing technology, industry and trade
 - Protection for inventions, industrial designs, trademarks, geographical indications, plant varieties, mask works for integrated circuits, etc.
 - Suppression of unfair competition, including protection of trade secrets

PATENTS

Patents

- Intellectual property rights to owner of invention
 - No rights in the absence of a filed application
- Patent term generally 20 years from date of application filing
 - No enforceable rights until patent grants
- Confers certain rights during term of patent
 - Excludes others from exploiting invention within a specified territory

PATENTS

- Requirements for patenting:
 - Inventor/owner must apply
 - Granted to anyone who invents or discovers any new and useful
 - o process, machine, article of manufacture
 - compositions of matter
 - improvements thereof
 - Patentable inventions must at least be novel & nonobvious (inventive step)
 - Some jurisdictions have additional requirements

COPYRIGHTS

- Copyrights
 - Protection provided to the creators of "original works of authorship"
 - Literary, dramatic, photographic, musical, artistic, and other works, both published and unpublished
 - Protects expression of ideas rather than idea itself
 - Right arises automatically at creation

INDUSTRIAL DESIGNS

- •Protection for ornamental features associated with articles used in commerce
- •Limited uniformity world-wide in requirements and scope of protection available
 - Design patents in some countries
- Protection of industrial design and patent protection not mutually exclusive in some countries

TRADEMARKS

- •Type of Intellectual Property in the form of a word, name, symbol, or device used to mark goods
 - Indicates the origin of the goods
 - Provides public assurance
 - Distinguishes the goods from those of others



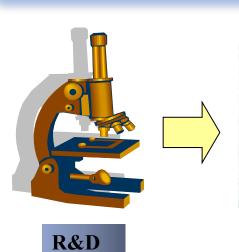


oKnown as "service marks" when used in conjunction with a service

TRADE SECRETS

- Trade Secrets
 - Any information with independent economic value not in public domain
 - Any information belonging to an entity that is neither readily known nor readily ascertainable outside the entity
 - NB: MY TRADE SECRET ENABLES ME EARN
 - ROYALTIES(%) REALIZED ON TOTAL SALES.

From Laboratory to Market -**Innovations**





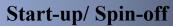


Patent application



Licensing







Commercialization

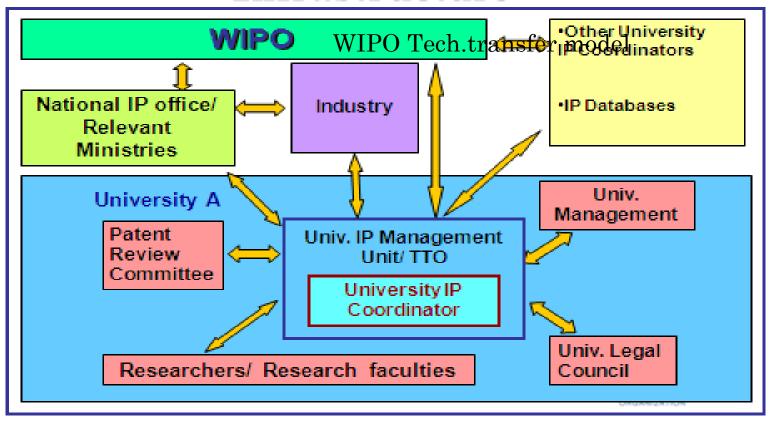
Technology Transfer

CREATION

PROTECTION

EXPLOITATION

WIPO University Initiative Infrastructure



APPLYING WIPO UNIVERSITY INITIATIVE

- KYU works with UIRI,UNCST,NARO,MUST
 - University IP & Tech Transfer Coordination
 - University Legal Office engagement-MOU
 - Industry-Private Sector Partnership
 - IP Policy in development
 - P-P-Partnership in licensing patented technology
 - Liaison with National IP Office-URSB
 - University involvement in IP management
 - Further research facilities-creation of Incubator/Innovation Centre and Science/Industrial Park





GROWING MATOOKE









(40% Waste of peels and stalks)



DMC Transporting pick-up



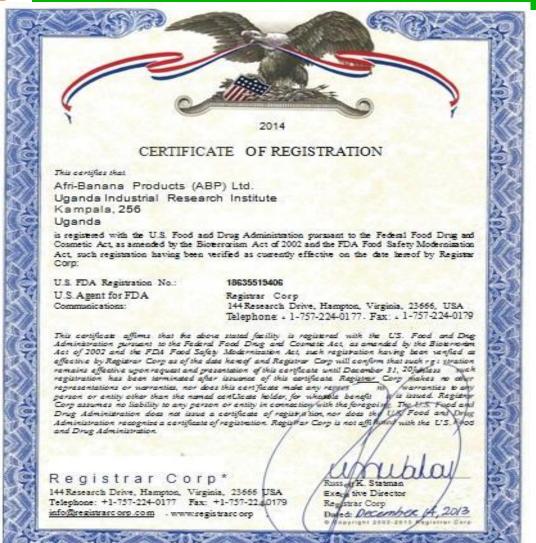








Afri Banana Products Ltd (ABP)





THE PATENTS STATUTE, 1991

Certificate of Grant of Patent

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GLOBAL FOODS WAREHOUSE

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Benefits from innovations-ipasset

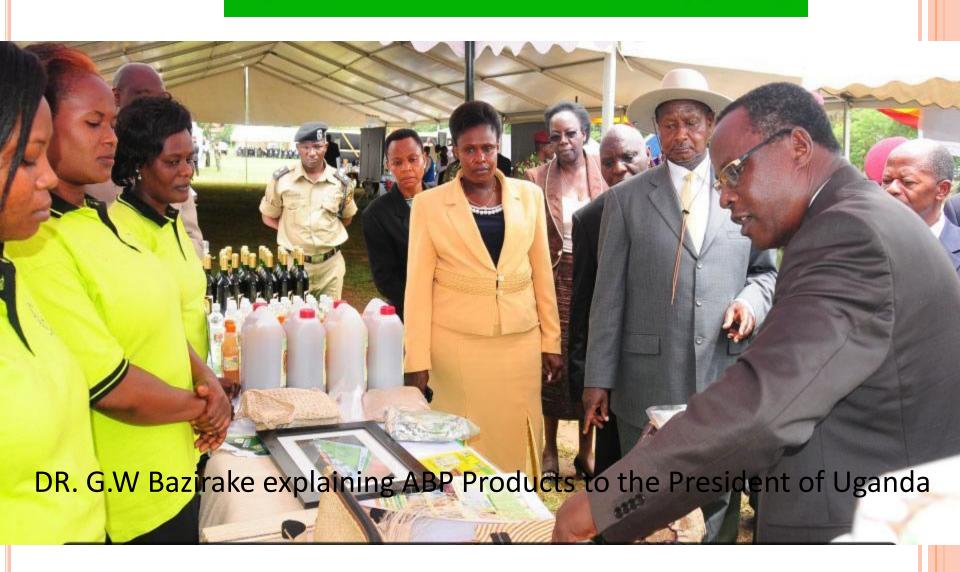
- 1.FREVASEMA-Over 70 MT exported to USA bringing revenue UGX 1 billion to farmers, etc
- 2. Biodegradable bags-to replace polythene bags
- 3.Banana Juice and wine(Refer other paper)
- 4.Biogas-to reduce on charcoal(deforestation) use
- 5.Banana textiles and ornamentals-beads, etc
- 6. Charcoal briquettes,
- 7. Vinegar from banana waste
- 8. Enriched animal feeds formulated
- 9. Edible insects(nsenene) cookies with banana flour
- 10.TC banana disease-free seedlings against BWD,







Afri Banana Products Ltd (ABP)





Afri Banana Products Ltd (ABP)





GAS FROM PEELS BURNING

























TC BANANA SEEDLINGS HARDENING



TECHNOLOGY TRANSFER & PROTOTYPES



BUNGOOMA SHARING IN KENYA



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THANK YOU FOR YOUR ATTENTION