

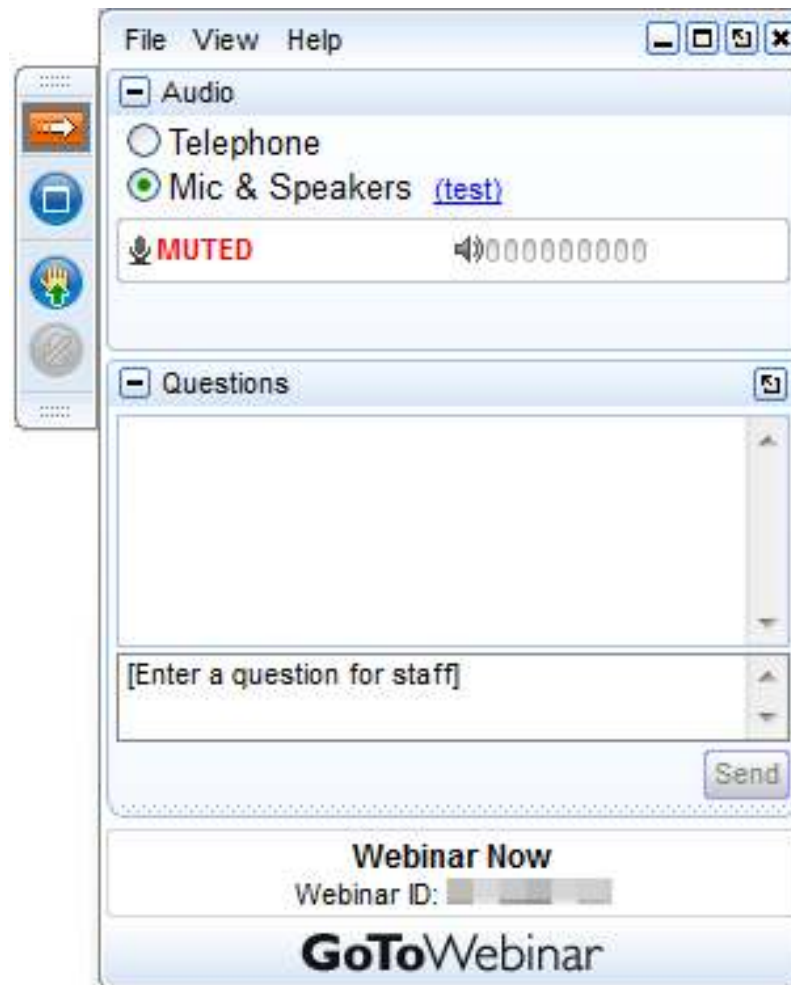


# ■ Les principes fondamentaux pour l'utilisation des bases de données de brevets

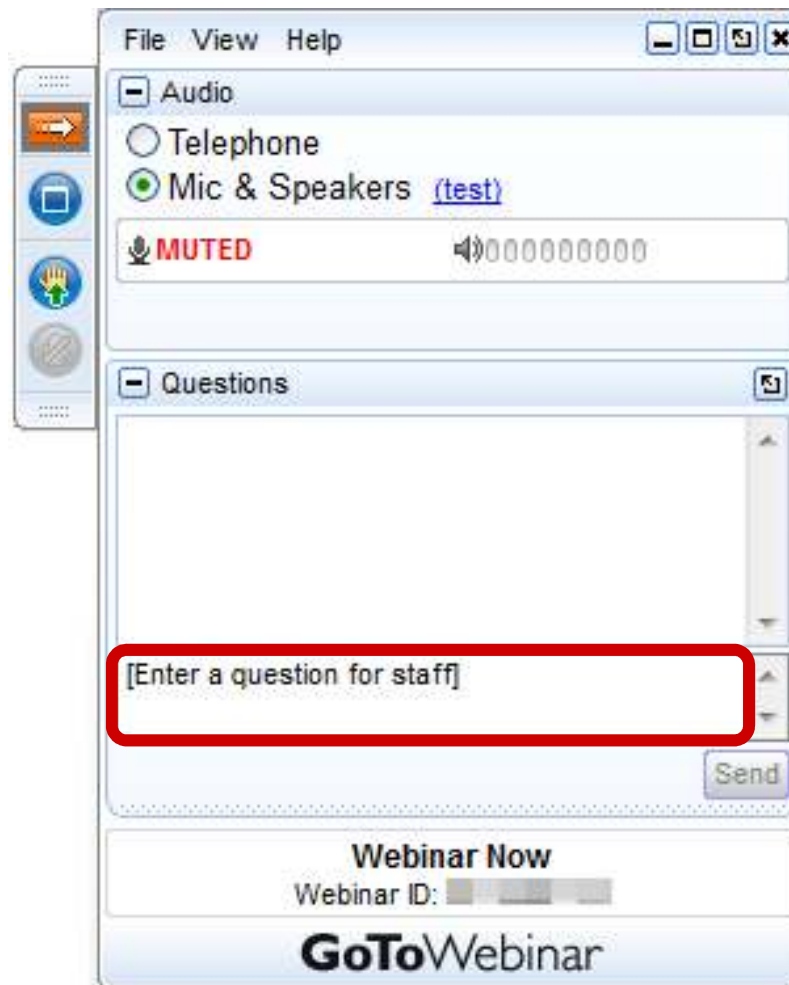
Elangi Botoy Ituku  
Administrateur de projet

**Webinar**  
**15 juillet**  
**2013**

# Téléconférence: Comment poser des questions

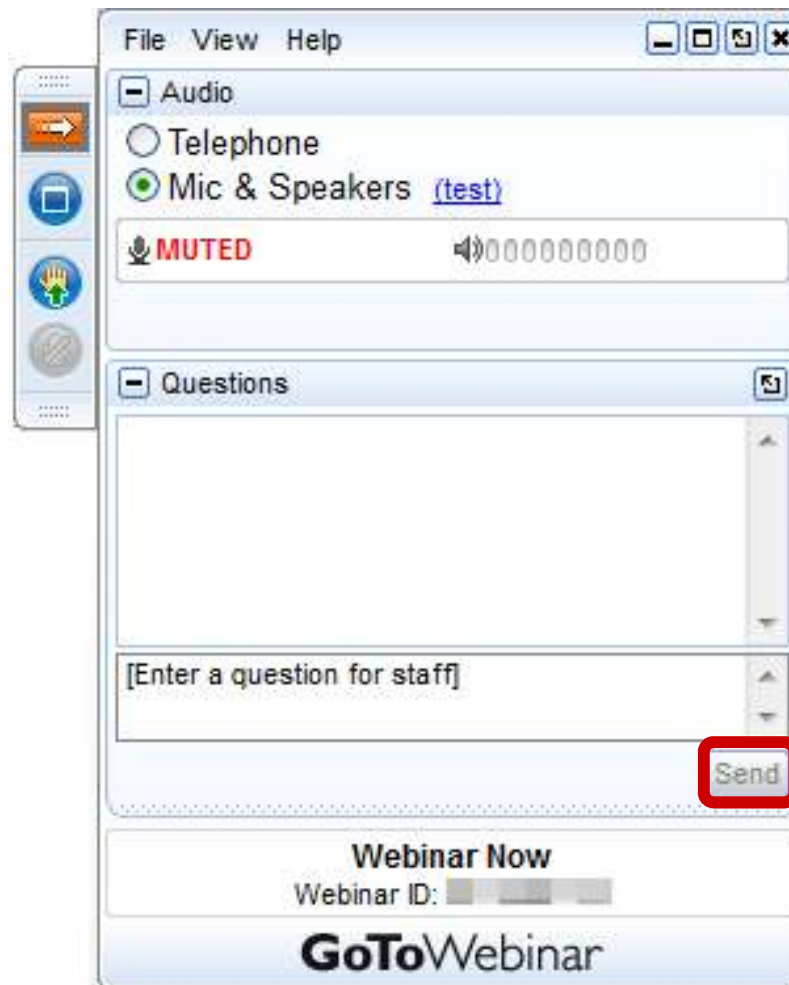


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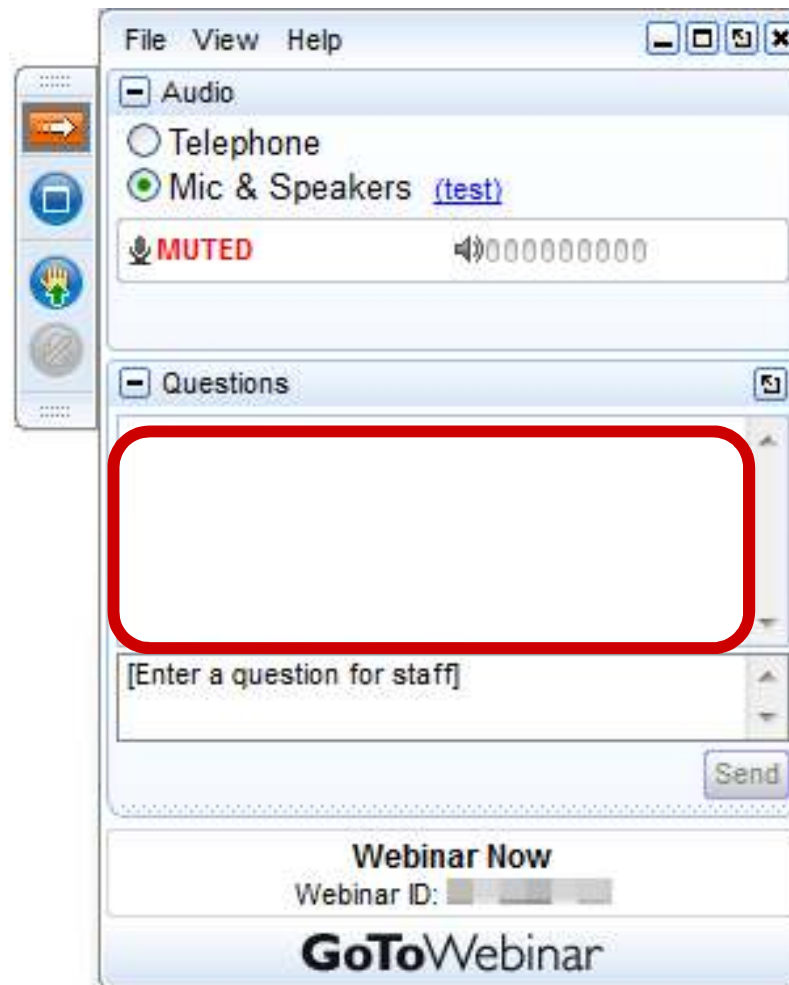
→ Veuillez écrire votre question dans la case rouge

# Téléconférence: Poser des questions



→ Appuyez sur "Envoyer"

# Téléconférence: Poser des questions



→ Vos questions et réponses

# Sommaire

- Éléments d'une demande de brevet
- Opérateurs booléens
- Opérateurs de proximité
- Locutions
- Emboîtement
- Opérateurs Jokers (Wildcard)

# Données bibliographiques

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(10) International Publication Number

**WO 2012/075556 A1**

(51) International Patent Classification:  
*B65D 43/02* (2006.01) *B65D 55/08* (2006.01)  
*B65D 45/30* (2006.01)

(21) International Application Number:  
PCT/BR2011/000464

(22) International Filing Date:  
7 December 2011 (07.12.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PI1005786-2 8 December 2010 (08.12.2010) BR

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International Bureau



(43) International Publication Date  
14 June 2012 (14.06.2012)

(10) International Publication Number  
**WO 2012/075556 A1**

← Numéro de publication

Numéro de demande →

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B65D 45/30 (2006.01)

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Date de dépôt → (22) International Filing Date:  
**7 December 2011 (07.12.2011)**

(25) Filing Language: English

(26) Publication Language: English

Date de priorité → (30) Priority Data:  
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**WO 2012/075556 A1**

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*B65D 45/30* (2006.01)

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PCT/BR2011/000464

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Demandeur →

Inventeur →

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*B65D 45/30* (2006.01)

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PCT/BR2011/00046

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Designated states

# Description (spécification)

"CLOSURE DEVICE FOR METALLIC CONTAINERS"

## Field of the Invention

The present invention refers to a closure device to be applied in metallic containers, such as pails, comprising a tubular body having a peripheral side wall which has a lower end portion to which is attached a bottom wall, and an upper end portion surrounding an opening, inside which is fitted and axially locked an also metallic lid with a peripheral upper skirt provided with at least one sealing element which cooperates with an upper end portion of the peripheral side wall of the tubular body of the container, to guarantee the tightness of the closure by the lid.

## Prior Art

There are well known from the prior art the closure arrangements of the type mentioned above and which present one of the parts defined by the upper end portion of the tubular body of the container, or by the peripheral upper skirt of the lid provided with at least one circumferential rib which is fitted and axially retained into a respective and confronting circumferential groove provided on the other of said parts, in order to guarantee a reliable axial retention of the lid when fitted into the upper opening of the tubular body of the container.

These closure arrangements are provided with at least one annular sealing element, usually an elastic sealing ring or a synthetic resin gasket, which is

- Décrit le fonctionnement de l'invention (résout un problème technique particulier)
- Fournit l'information de base sur ce problème
- Indique d'autres solutions connues (art antérieur)



# Revendications

## CLAIMS

1. Closure device for metallic containers comprising: a tubular body (10) having an upper end portion (11) which incorporates an outer and upper finishing cord (13), and an outer and lower peripheral rib (14); and a lid (20) including a peripheral upper skirt (22) to be fitted inside said upper end portion and externally incorporating an outer curl, characterized in that said device comprises: a retention ring (40) seated around the tubular body (10) and axially locked between the finishing cord (13) and the peripheral rib

- Définit l'étendue de la protection recherchée par le déposant

# Champs

Fields			
	Front Page	=	<input type="text"/>
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AND	Inventor Name	=	<input type="text"/>
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AND	English Description	=	<input type="text"/>
AND	English Claims	=	<input type="text"/>
AND	Licensing availability	=	<input type="checkbox"/>
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# Champs: Codes

Symbol ↕	Name ↕
<b>ALLNAMES</b>	All Names
<b>ALLNUM</b>	All Numbers and IDs
<b>AAD</b>	Applicant Address
<b>AADC</b>	Applicant Address Country
<b>PAA</b>	Applicant All Data
<b>PA</b>	Applicant Name
<b>ANA</b>	Applicant Nationality
<b>ARE</b>	Applicant Residence
<b>AD</b>	Application Date

<b>EN_AB</b>	English Abstract
<b>EN_ALL</b>	English All
<b>EN_CL</b>	English Claims
<b>EN_DE</b>	English Description
<b>EN_ALLTXT</b>	English Text
<b>EN_TI</b>	English Title

# Champs: Codes

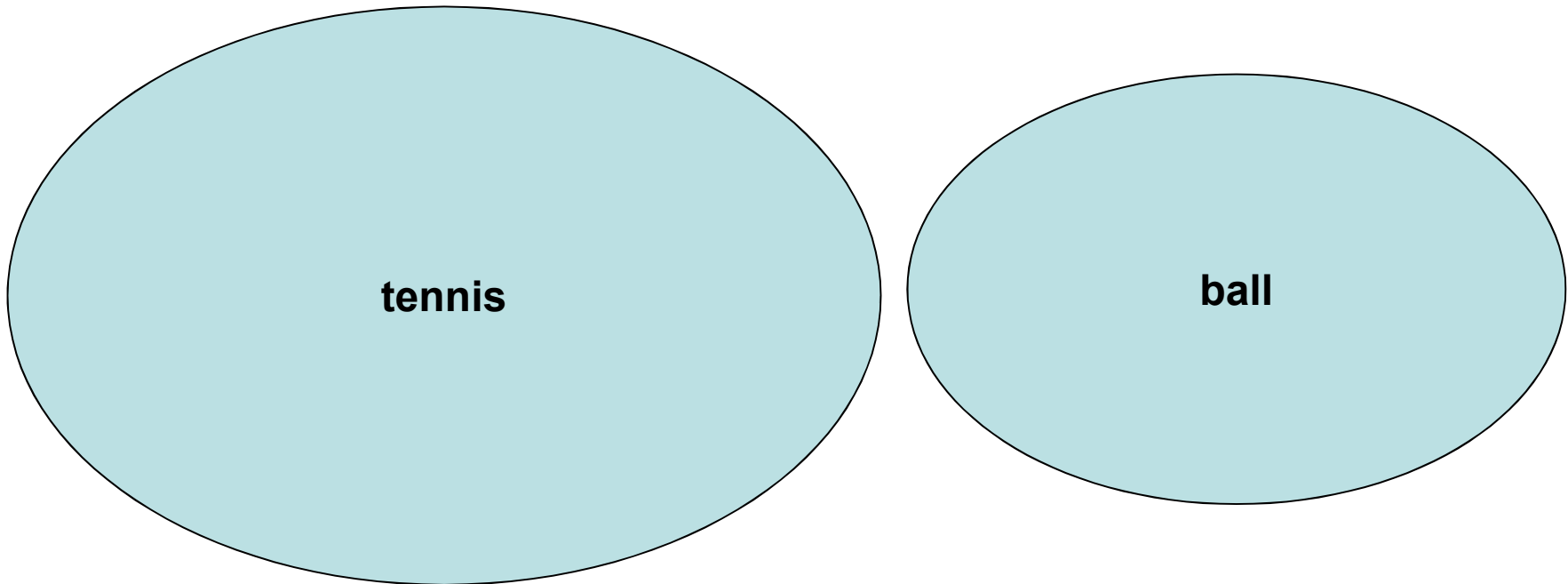
Symbol ↕	Name ↕
ALLNAMES	All Names
ALLNUM	All Numbers and IDs
AAD	Applicant Address
AADC	Applicant Address Country
PAA	Applicant All Data
PA	Applicant Name
ANA	Applicant Nationality
ARE	Applicant Residence
AD	Application Date

EN_AB	English Abstract
EN_ALL	English All
EN_CL	English Claims
EN_DE	English Description
EN_ALLTXT	English Text
EN_TI	English Title

# Boolean operators

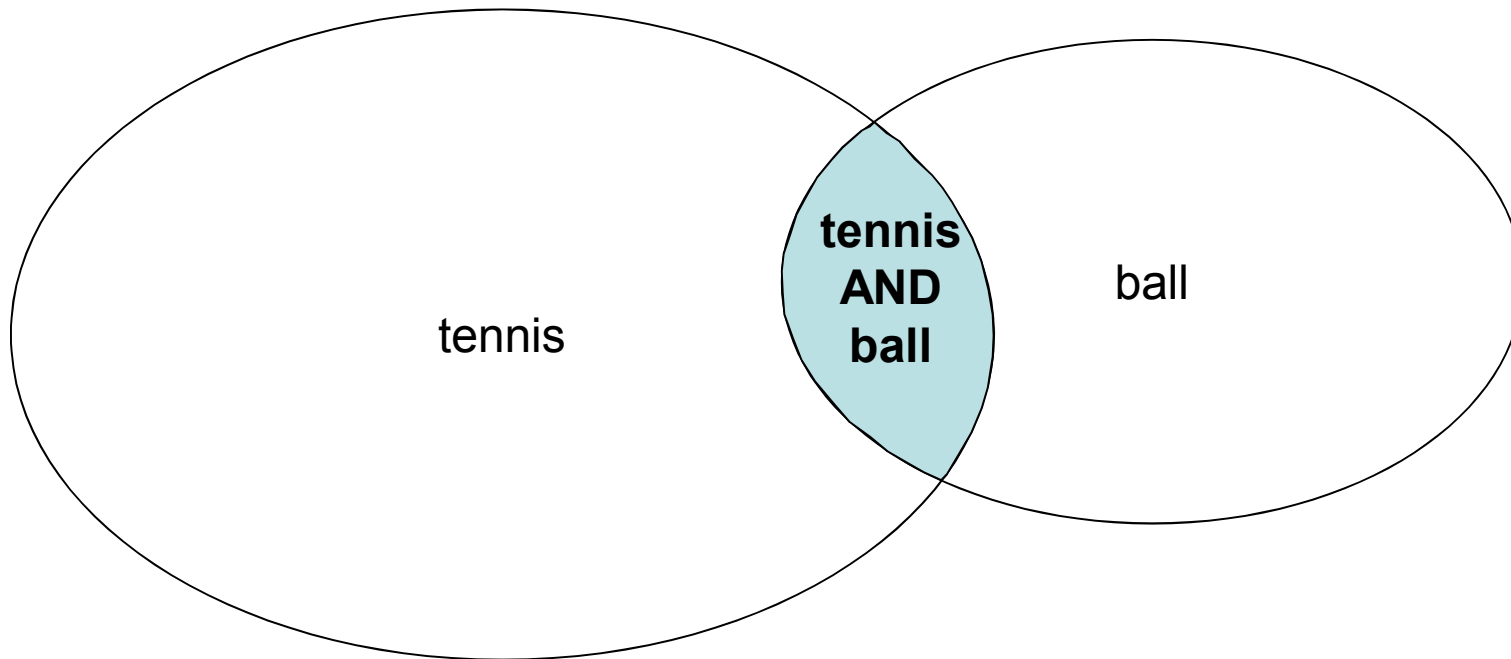
- Connus aussi comme des "opérateurs logiques"
- AND (or +)
- OR
- NOT (or ANDNOT or -)
- XOR

# Opérateurs booléens



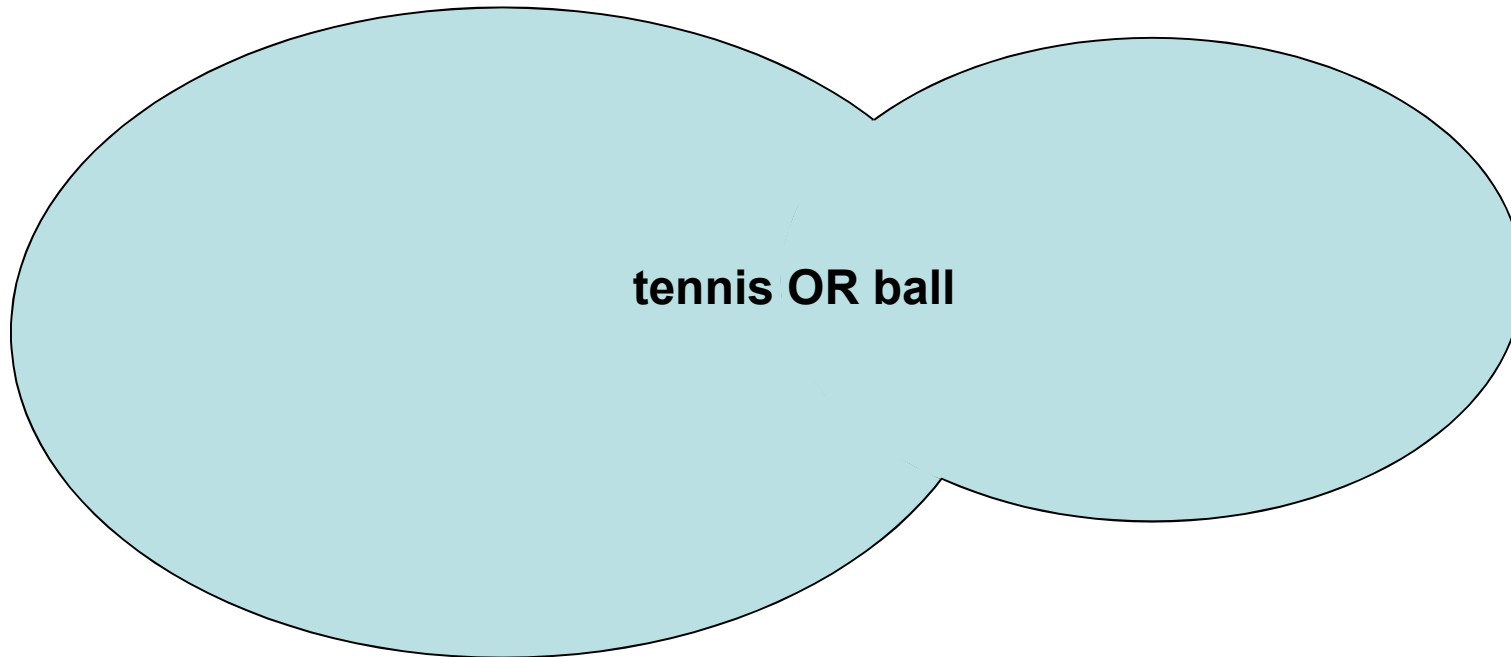
- Résultats dans la collection PCT (titres en anglais):
  - **219** (tennis)
  - **2'829** (ball)
  - **3'048 total**

# Opérateurs booléens: AND



- Résultats dans la collection PCT (English titles)
- **38** (tennis AND ball)

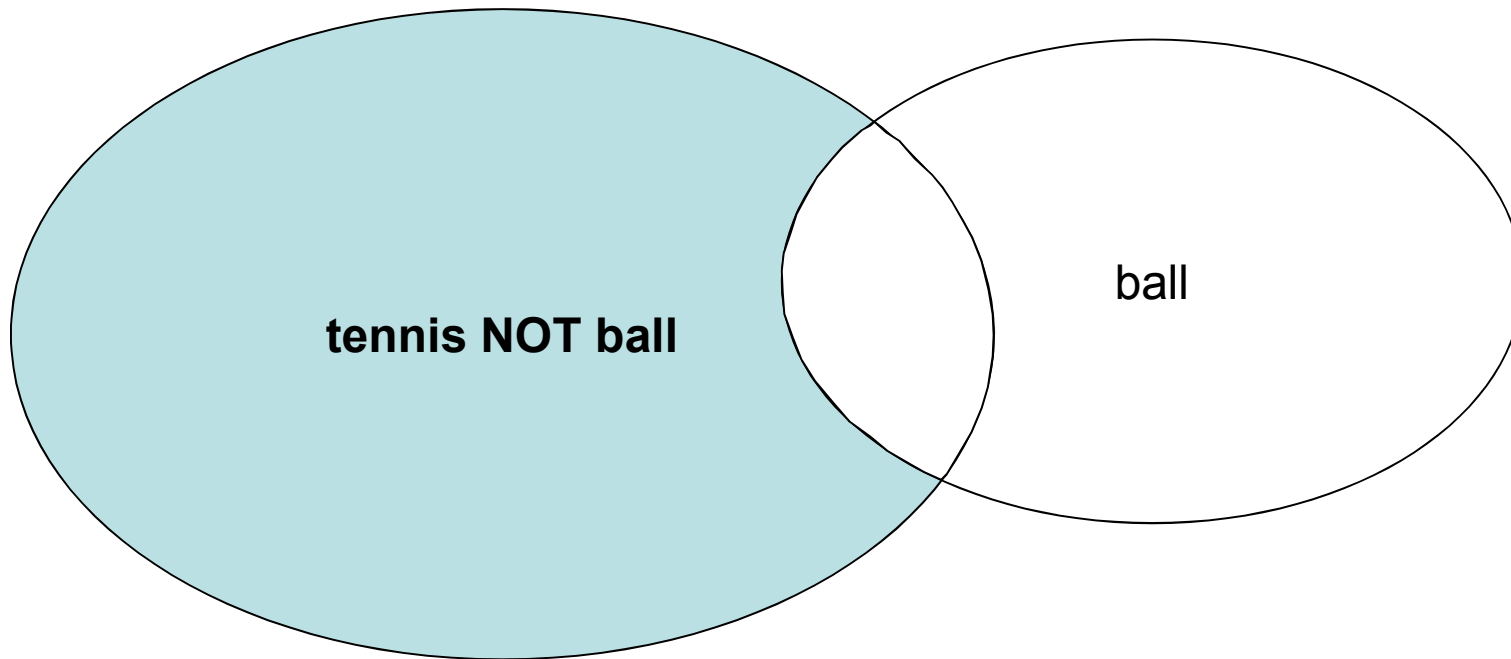
# Opérateurs booléens : OR



- Résultats dans la collection PCT (English titles)
  - **3 010** (tennis OR ball)

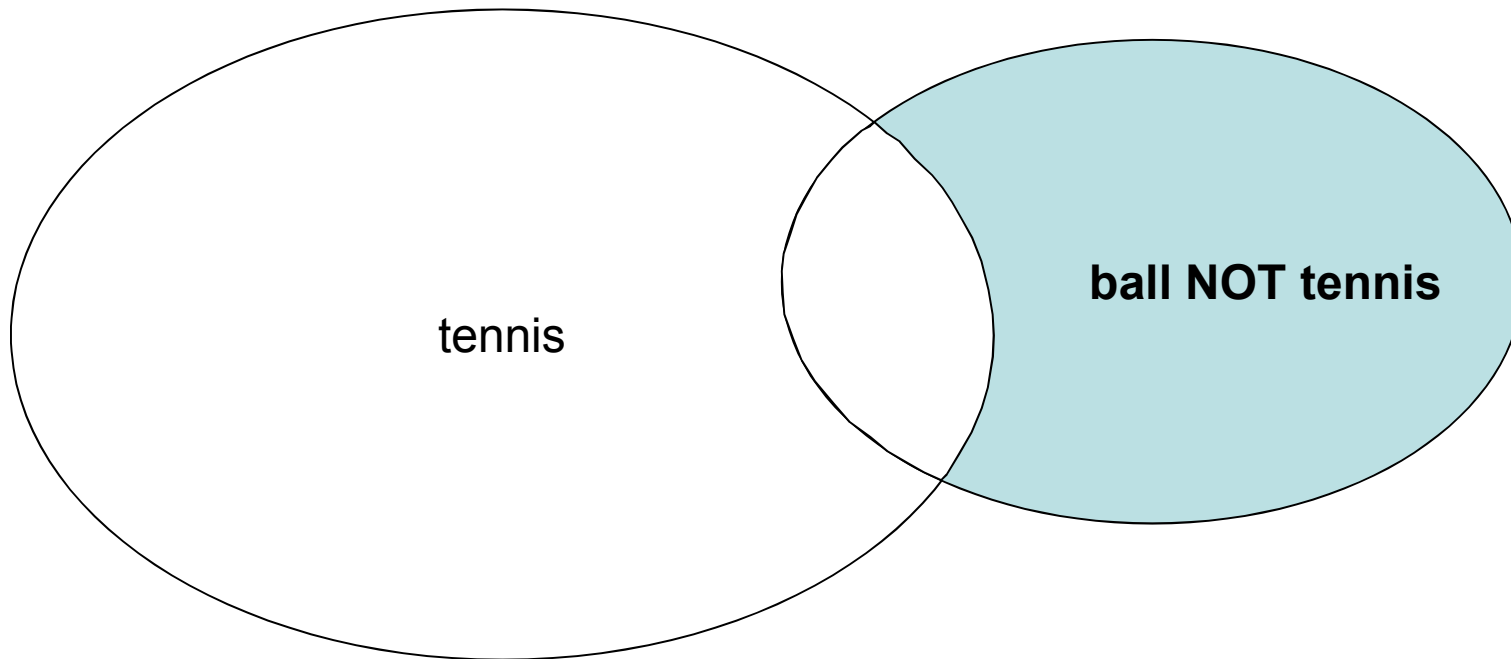
→ Evite de compter doublement les mots “tennis” et “ball”

# Opérateurs booléens: NOT



- Résultats dans la collection PCT (English titles)
  - **181** (tennis NOT ball)

# Opérateurs booléens : NOT

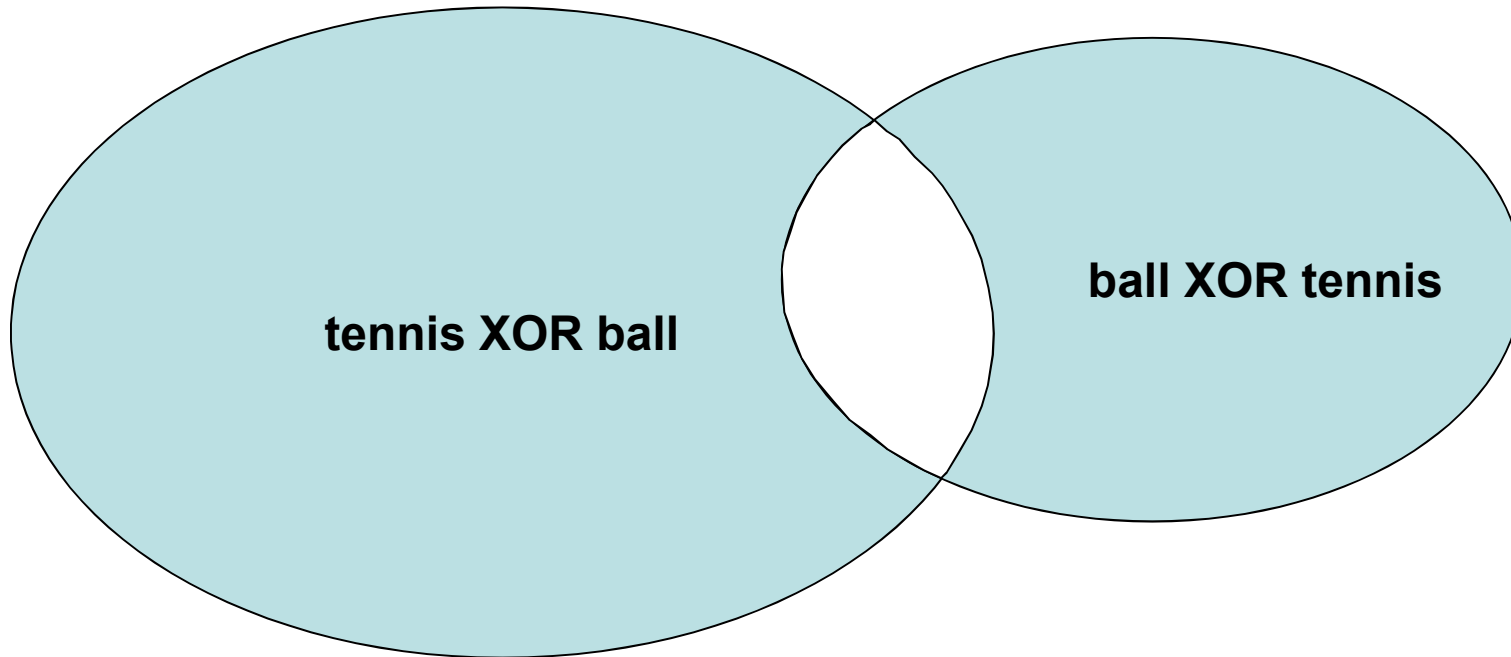


- Résultats dans la collection PCT (English titles)
- **2'791** (ball NOT tennis)

→ Order of terms matters!



# Opérateurs Booléens : XOR



- Résultats dans la collection PCT (English titles)
  - **2'972** (tennis XOR ball)

# Opérateurs booléens: Utilisations

- OR: synonymes ou concepts connexes  
corn OR maize → synonymes  
corn OR plant → concepts connexes
- AND: concepts additionnels  
corn AND fertilizer

# Opérateurs de proximité : Raisonnement

## ■ corn AND fertilizer

WO 2008/040445 also describes that 4-[[[(6-chloropyrid-3-yl)methyl](methyl)amino]furan-2(5*H*)-one can be present in its commercially available formulations and in the use forms, prepared from these formulations, as a mixture with other active compounds, such as insecticides, attractants, sterilizing agents, bactericides, acaricides, nematocides, fungicides, growth-regulating substances, herbicides, safeners, **fertilizers** or semiochemicals.

Page 2

■ ■ ■

In an embodiment of the invention, the invention is directed to the use of the combination, mixture or composition according to the invention for controlling pests which occur in rice, cotton, tea, vegetables, sugar cane, soybean, potato, top fruits **corn** vine, ornamentals, rangeland and pastures, canola.

Page 15

# Opérateurs de proximité : Fonction

- Définir la “distance” maximum (nombre de termes) entre les termes recherchés
- Assurer que les termes recherchés relèvent l’un et l’autre d’un même contexte

# Opérateurs de proximité: Ordonné

- Ordonné: les termes recherchés doivent être donnés dans un certain ordre (et dans une distance spécifique)  
corn BEFORE5 fertilizer (in PATENTSCOPE)

A process is provided for the dry treatment of agricultural products such as corn and tobacco to remove fertilizer-derived nitrate. The process involves a short duration contact of the agricultural product with HCl gas under conditions which minimize generation of non-volatile chlorocarbons that could form by interaction of the agricultural product with the gaseous products of the reaction of the HCl with the nitrate.

# Opérateurs de proximité: Non ordonné

- Non ordonné: les termes recherchés sont rangés dans n'importe quel ordre (et dans une distance spécifique)  
corn NEAR5 fertilizer (in PATENTSCOPE)

A process is provided for the dry treatment of agricultural products such as corn and tobacco to remove fertilizer-derived nitrate. The process involves a short duration contact of the agricultural product with HCl gas under conditions which minimize generation of non-volatile chlorocarbons that could form by interaction of the agricultural product with the gaseous products of the reaction of the HCl with the nitrate.

The organic fertilizer comprises oilseed extract and/or corn steep liquor in combination with whey and/or other protein supplements, which provide a natural, nitrate free, nitrogen to the fertilizer. Additionally, a method of manufacturing an organic fertilizer comprising heating an oilseed extract, dissolving whey in the heated extract, and filtering the resultant mixture for use domestically and abroad.

# Question

- Comment pourriez-vous effectuer une recherche pour des inventions liées à l'hypertension artérielle?



Photo source: Pia von Lützu

# Opérateurs booléens: AND

- Comment pourriez-vous effectuer une recherche pour des inventions liées à l'hypertension artérielle?
- sang AND pression  
→ Aucun contexte



Photo source: Pia von Lützu



# Opérateurs de proximité

- Comment pourriez-vous effectuer une recherche pour des inventions liées à l'hypertension artérielle?
  - Sang AND pression
    - Aucun contexte
  - Sang AVANT1 pression
    - Cela marchera, mais pas dans toutes les bases de données
- **"pression artérielle"**

Photo source: Pia von Lützu



# Phrases ou locutions

- Comment pourriez-vous effectuer une recherche pour des inventions liées à l'hypertension artérielle?
  - Sang AND pression  
→ Aucun contexte
  - Sang AVANT1 pression  
→ Cela marchera, mais pas dans toutes les bases de données
- **"pression artérielle"**

Photo source: Pia von Lützu



# Comparaison: AND, proximité, locutions

- AND: les deux termes recherchés, aucun context requis  
→ sens le plus large
  
- Proximité: les deux termes recherchés, dans un contexte  
→ Recherche plus étroite (dependant de la distance des mots)
  
- Locutions: phrase exacte recherchée (e.g. compound words)  
→ Recherche la plus étroite

# Emboîtement: Raisonnement

- pommes AND oranges OR bananes

# Emboîtement: Raisonnement

- pommes AND oranges OR bananes



ou

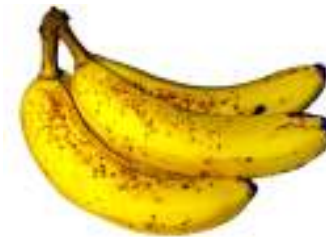


Photo source: Evan Amos, Zoofari, Amada44 (Wikimedia)

# Emboîtement: Raisonnement

- pommes AND oranges OR bananes



or

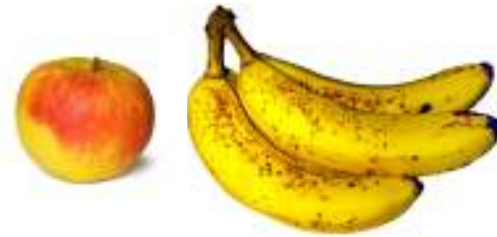


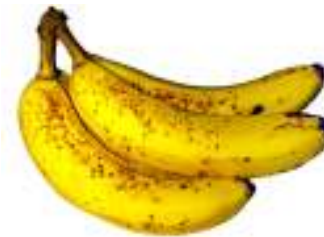
Photo source: Evan Amos, Zoofari, Amada44 (Wikimedia)

# Emboîtement: Raisonnement

- pommes AND oranges OR bananes



ou



?



ou



?

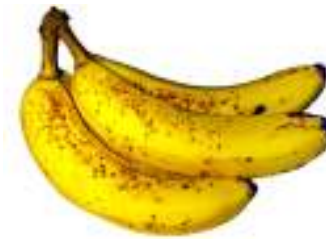
Photo source: Evan Amos, Zoofari, Amada44 (Wikimedia)

# Emboîtement

- (pommes AND oranges) OR bananes



or



- pommes AND (oranges OR bananes)



or



Photo source: Evan Amos, Zoofari, Amada44 (Wikimedia)



# Question

- Comment pourriez-vous effectuer une recherche de toutes sortes d'inventions liées à l'électricité?



Photo source: Dmitri G (Wikimedia)

# Concepts clés

- electricity
- electrical
- electric
- electronic
- electromagnetic
- ...

# Opérateurs booléens: OR

- electricity
- electrical
- electric
- electronic
- electromagnetic
- ...

→ electricity OR electrical OR electric OR electronic OR electromagnetic ...

# Opérateurs Jokers

- electricity
- electrical
- electric
- electronic
- electromagnetic
- ...

# Opérateurs Jokers

- **electricity**
- **electrical**
- **electric**
- **electronic**
- **electromagnetic**
- ...

# Opérateurs Jokers

- **electricity**
- **electrical**
- **electric**
- **electronic**
- **electromagnetic**
- ...

→ electr\*

( \* represente un nombre donné de caractères)

# Révision

- Elements d'une demande de brevet
- Opérateurs Booléens
- Opérateurs de proximité
- Phrases ou locutions
- Emboîtement
- Opérateurs Jokers

# Scenario

- Une compagnie maritime souhaite améliorer sa gestion de la logistique.
- Elle vous demande d'effectuer une recherche pour des inventions liées à l'identification par radiofréquence pour suivre le mouvement des conteneurs.



# Concepts clés

radio frequency identification

RFID

containers

# Phrases ou locutions

"radio frequency identification"

RFID

containers

→ Identify compound words

# Opérateurs booléens

"radio frequency identification" OR RFID AND containers

→ Indicate relationships between concepts (synonyms and additional concepts)

# Emboîtement

("radio frequency identification" OR RFID) AND containers

→ Resolve ambiguous logic

# Opérateurs Jokers

("radio frequency identification" OR RFID) AND container\*

→ Include variants (here: plural form)

# Recherche



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("radio frequency identification") OR RFID AND container\*



Office: All

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("radio frequency identification") OR RFID AND container\*



Office: All

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("radio frequency identification") OR RFID AND container\*



Office: All

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# Recherche: Résultats

Sort by: Pub Date Desc View All List Length 10							
No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	WO	<a href="#">WO/2013/063415</a> - AVOIDING THE MISAPPLICATION OF CONTENTS IN ONE OR MORE CONTAINERS	02.05.2013	A01M 7/00	PCT/AUS2012/062154	PETERSON, John	PETERSON, John
<p>A method for avoiding the misapplication of contents in one or more containers, the method comprising: providing a first smart label (e.g. RFID tag), the first smart label comprising first information corresponding to a first recipe for a first composition to be applied by a machine to crops in a first portion of a field, the first recipe based on geofence information for the first portion of the field; and assigning by a processor the first smart label to a first container that stores the first composition and color coding said container.</p>							
2.	US	<a href="#">20130099901</a> - Systems and Methods for Secure Supply Chain Management and Inventory Control	25.04.2013	G06K 7/01	13710267	Mojix, Inc.	Jones Christopher R.
<p>Systems for encoding and reading RFID tags on a collection of items are shown. One embodiment of the invention includes a plurality of items, where each item possesses an item identifier string, and a plurality of RFID tags, where an RFID tag is affixed to each of the items and each RFID tag is encoded with a code word element generated using at least all of the item identifier strings. In many embodiments, the collection is a plurality of goods contained within a case, pallet, container or storage area.</p>							
3.	WO	<a href="#">WO/2013/059839</a> - CONTAINER SEAL SECURITY DEVICE	25.04.2013	G08B 13/14	PCT/ZA2012/000064	JOLLIFFE, Harry	JOLLIFFE, Harry
<p>ABSTRACT A tamper indicating device 10 for a seal for a container includes a locking unit comprising a holder 12 which spans a conventional locking bolt 22 and receives an insert 14 for securing the tag 20 of the locking bolt in position. The device has an RFID facility electronically linked with at least one identity code associated with the locking bolt 22 and/or the container number. The device 10 is for single - use and once locked in place is required to be broken to be removed.</p>							

# Recherche: Résultats

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# Merci de votre attention!

Des questions?

Pour plus de détails, veuillez contacter:

[tisc@wipo.int](mailto:tisc@wipo.int)