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ASSIGNEE INFORMATION IN DWPI

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INTRODUCTION

- Overview of Derwent World Patents Index (DWPI)
- Processing Patent Assignees
- Patent Assignee Codes
- Ongoing Projects

OVERVIEW OF DWPI VALUE ADD

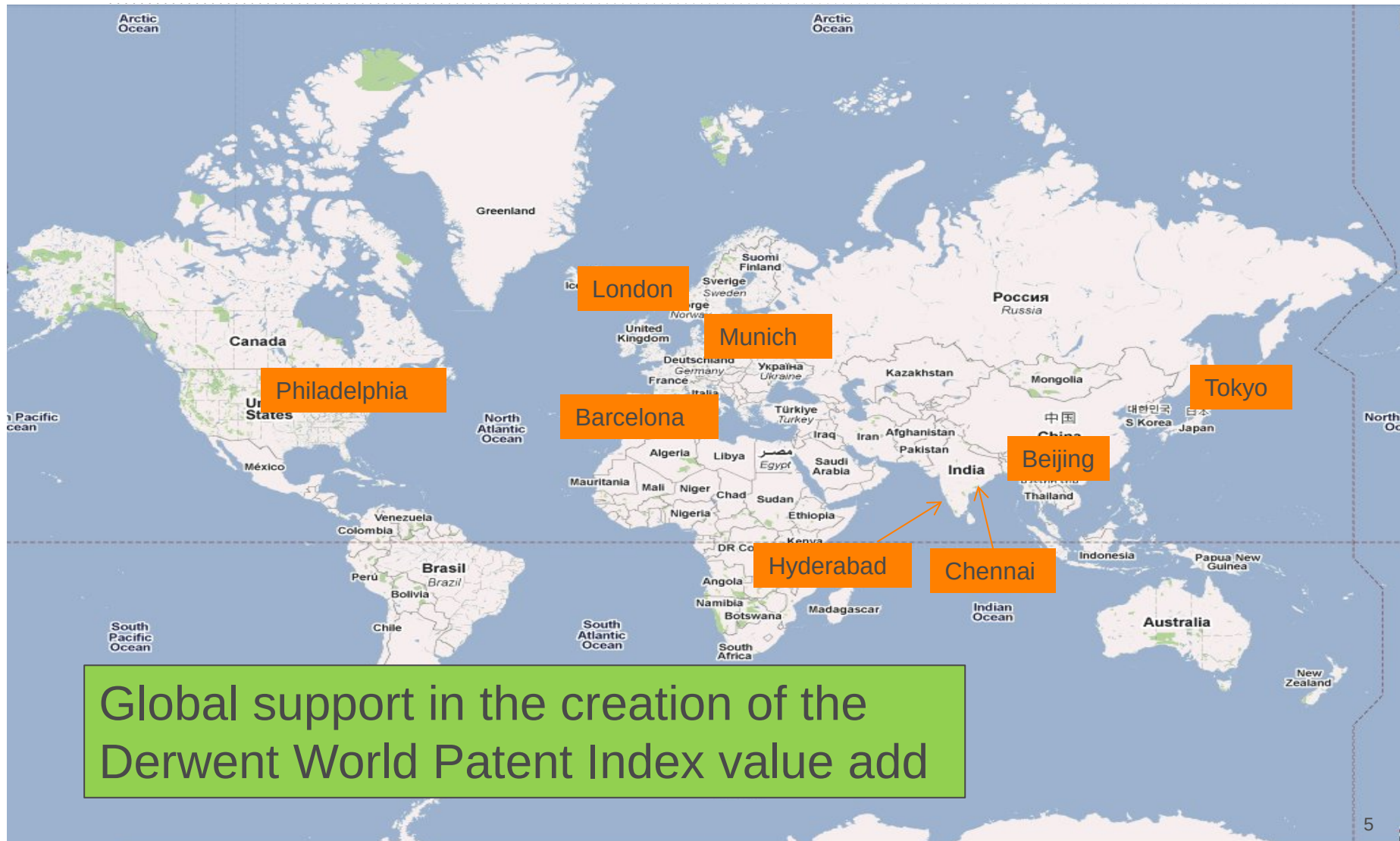
DERWENT WORLD PATENTS INDEX® (DWPI)

- 52 data sources
- Deep coverage:
 - Pharmaceuticals from 1963
 - Agrochemicals from 1965
 - Polymers from 1966
 - All chemistry from 1970
 - All technologies from 1974

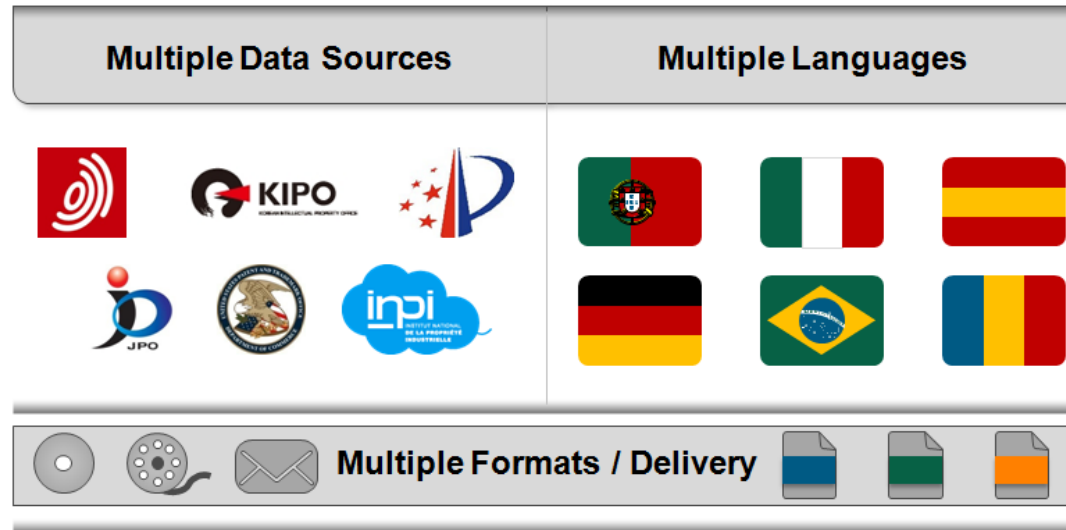
Contains >30 million unique inventions containing details of 64 million individual patent documents

Who is using DWPI? IP Attorneys, IP Researchers, R&D, Information Professionals, Portfolio Managers, Competitive Intelligence and Patent Examiners (in 40 offices worldwide)

THOMSON REUTERS IP&SCIENCE EDITORIAL LOCATIONS



DERWENT WORLD PATENTS INDEX® PROCESS OVERVIEW



Pegasus

RULES ENGINE

Also delivered via
FLD channels

Aggregation & Normalization

Editorial Correction

Machine-Assisted Translation

Abstracting & Classification

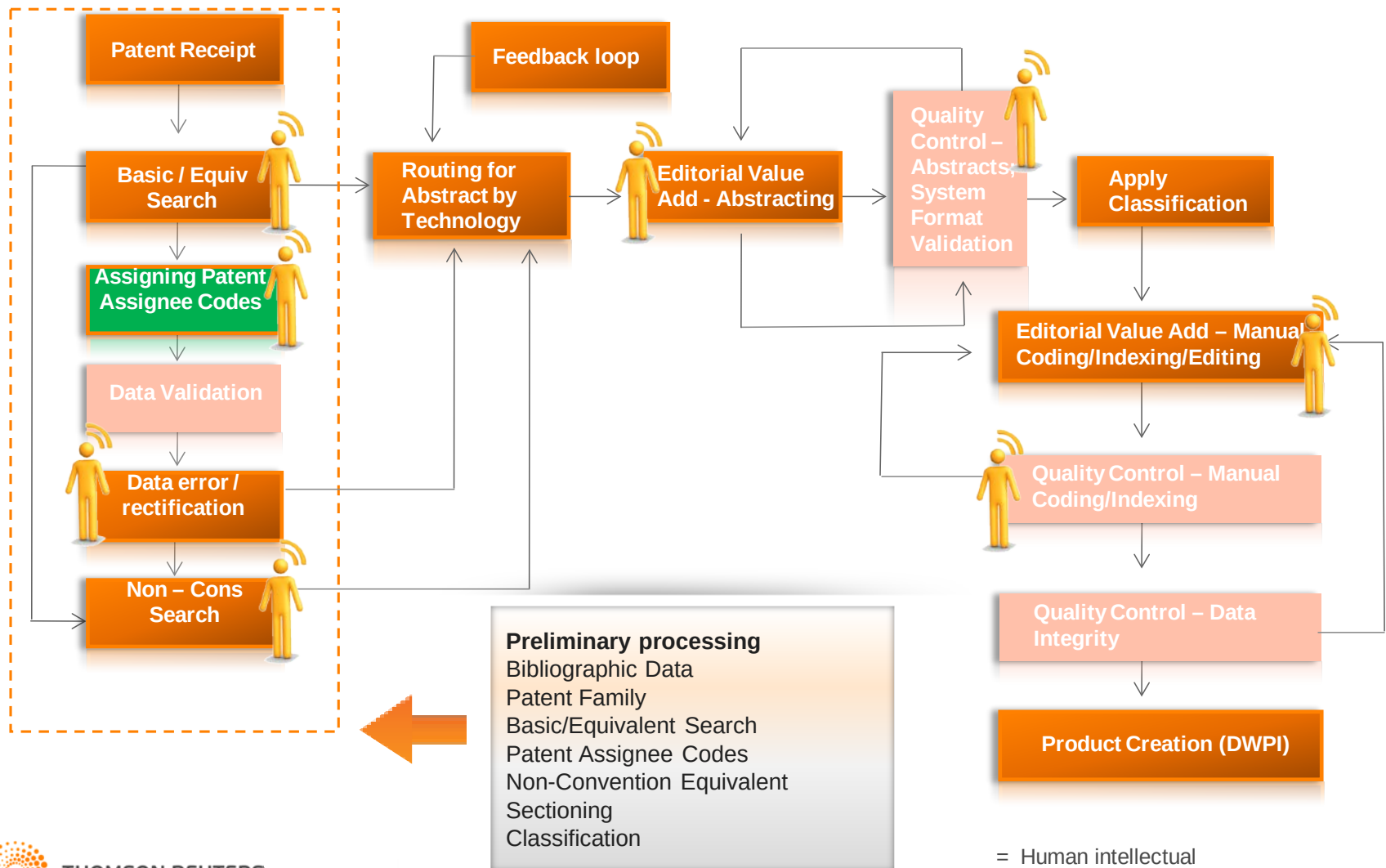
HUMAN
INTERVENTION

DWPI STATISTICS

- Process 87,000 patents per week
 - 50% are new inventions
 - Data corrections/review required for around 20% of patents
- 900 Editorial staff
- ~2.5m new records created per year

DWPI ASSIGNEE DATA

WHERE DOES ASSIGNEE DATA FIT IN TO THE EDITORIAL PROCESS?



DWPI VALUE ADD - STANDARDISED PATENT ASSIGNEE NAMES

In-house Company Dictionary

- Company names are checked against an internal database
- Contains more than 1.8 million entries

1

Patent Assignee Name Standardized

- Error corrections (spelling, transliterations)
- Abbreviation and Standardization

2

Patent Assignee Codes (PACO)

- ID of patents owned by one and the same legal entity
- Name variations, subsidiaries, joint ventures, mergers, depts.
- Consistently applied and maintained through an editorial process

3



HOW DOES DWPI HELP ?

COMPANY NAMES

.....

United States Patent

Jahr et al.

[19]

[11]

Patent Number:

5,911,054

[45]

Date of Patent:

Jun. 8, 1999

[54] **SINGLE-OPERATION LIST ENTRY UPDATE METHOD IN MIXED BUS ENVIRONMENTS**

[75] Inventors: **Steven J. Jahr**, Granite Bay; **Patrick A. Bueb**, Auburn, both of Calif.

[73] Assignee: **Hewlett Packaged Company**, Palo Alto, Calif.

In DWPI, 21k+ company names are standardized, including subsidiaries

..... 371/21.6
..... 395/281
..... 395/844

Primary Examiner—Ayaz R. Sheikh

Assistant Examiner—Ario Etienne

Original patent data corrected in DWPI

Ensure that searching & monitoring by company returns all results

Corrected to Hewlett **Packard Co** and given standard DWPI Patentee Code: **HEWP**

Jiang et al.

(54) **AGGREGATING PLUG-IN REQUESTS FOR IMPROVED CLIENT PERFORMANCE**

(75) Inventors: **Changhao Jiang**, San Jose, CA (US);
Naitik Hemant Shah, Mountain View, CA (US)

(73) Assignee: **Fabebook, Inc.**, Menlo Park, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 6 days.

(21) Appl. No.: **13/211,213**

(22) Filed: **Aug. 16, 2011**

(65) **Prior Publication Data**

US 2013/0046855 A1 Feb. 21, 2013

(51) **Int. Cl.**

G06F 15/16 (2006.01)

G06F 17/30 (2006.01)

(52) **U.S. Cl.**

CPC **G06F 17/30899** (2013.01); **G06F 17/3089**
(2013.01)

(58) **Field of Classification Search**

CPC **G06F 17/3089**; **G06F 17/30899**

USPC **709/218**

See application file for complete search history.

Patentee Error Correction – Spelling Error in Assignee : FABEBOOK

- Patents are not a faultless source of data.
- Some errors may be easy to spot such as “Fabebook”, but many are not so obvious.
- A searcher would miss this patent if searching by patentee name or patentee code (PACO).

INVENTOR ERRORS TOO...

(19) **United States**

(12) **Patent Application Publication**
MOMA-M04-US1-APP-ADS et al.

(10) **Pub. No.: US 2016/0183728 A1**

(43) **Pub. Date: Jun. 30, 2016**

(54) **SYSTEMS AND METHODS FOR
DISPENSING, SLICING, BUTTERING, AND
TOASTING BREAD**

(71) Applicant: **Momentum Machines Company**, San
Francisco, CA (US)

(72) Inventors: **Aaron MOMA-M04-US1-APP-ADS**,
San Francisco, CA (US); **Alexandros**
Vardakostas, San Francisco, CA (US);
Jack McDonald, San Francisco, CA
(US); **Matthew Williams**, San
Francisco, CA (US); **Steven Frehn**, San
Francisco, CA (US); **Abigail Soong**, San
Francisco, CA (US)

Publication Classification

(51) **Int. Cl.**
A47J 37/08 (2006.01)

(52) **U.S. Cl.**
CPC *A47J 37/0857* (2013.01); *A47J 37/0871*
(2013.01)

(57) **ABSTRACT**

One variation of a system for buttering and toasting bread buns includes: a butter stage including: a vessel containing liquefied dairy fat and defining a permeable surface, a pressure supply fluidly coupled to the vessel, and a first paddle assembly configured to catch a bun crown dispensed into the butter stage, to compress a sliced face of the bun crown

Inventors: **Aaron MOMA-M04-US1-APP-ADS**,
San Francisco, CA (US); **Alexandros**



PATENT ASSIGNEE CODE (PACO)

- Each assignee in DWPI also has a Patent Assignee Code. We have four separate series of PACO
 - Standard codes, these end -C. e.g. SIEI-C
 - Non-standard codes, these end -N e.g. ACME-N
 - Individual's name, these end -I e.g. SMIT-I
 - Russian companies, these end -R e.g. UNVO-R



PROCESSING ASSIGNEE DATA

- Company names are checked against an internal database (currently over 1.8 million entries)
- Patent Assignee Codes added for recognised companies
- For new company names (not previously recognised), a new code is assigned and added to the internal database

WHY DO WE USE PACO

- PACO helps DWPI users to:
- Distinguish between different companies with similar names
- Eg



Merck KGaA

PACO: (MERE-C)



Merck & Co., Inc.

PACO: (MERI-C)

WHY DO WE USE PACO

- PACO help customers to:
- Identify subsidiary companies which do not carry the parent company name
- Eg



- Intel Corp
- PACO: ITLC-C



McAfee Inc
PACO: ITLC-C

ASSIGNMENT OF STANDARD PACO

- When a patentee has 500 patents in DWPI then we assign a standard PACO
 - Examples include Siemens AG – SIEI-C, Pfizer Corp – PFIZ-C, Robert Bosch GmbH – BOSC-C, Glaxo Inc – GLAX-C
- Identified by interrogation of internal database
- Patentees researched using internet searches and company websites
- Use research to identify subsidiary companies
 - Honeywell Inc, Honeywell Corp, Honeywell GMBH, Control Systems Ltd, Pittway Corp all have the code HONE-C



NAME CHANGES, MERGERS AND ACQUISITIONS

- When a company changes its name then the old standard PACO will continue to be used
- If two companies with standard codes merge, the old PACO will be used if records are filed using the old names
- DWPI does not automatically assign a new standard PACO when two large companies merge etc. Each case is assessed individually
- PACO are not generally changed retrospectively as the assignment of patent rights are not tracked by DWPI



CHALLENGES IN IDENTIFYING CORRECT ASSIGNEE & PACO

- We receive over 87,000 patents each week
- 11,000 of these are reviewed by analysts to check patentees & PACO
 - Where the dictionary does not recognise a company, it is checked by the analyst
 - If it can be identified as a member of a known company, the analyst will assign the correct PACO
 - All new patentees receive a non-standard PACO



CHINESE PATENTEES

- Large volumes of Chinese patentee names create a challenge for DWPI
- We rely on transliterated name
- Construction of patentee name is usually preceded by a city or province
- Chinese universities have been identified as starting with City/Region name followed by speciality
- Naming convention of Chinese universities differ from western universities



CHINESE ASSIGNEE PROJECT

- To create new “standard PACO” for Chinese companies
- Identify & research Chinese companies with more than 500 records in DWPI
- Create new PACO for these
- Correct all backfile DWPI records for the new PACO
- **CURRENT PROGRESS - 413 New PACO generated**
 - 772,000 records corrected & being released to product

PATENT ASSIGNEE CODE LOOK-UP

- Look-up tool on the Thomson Reuters website
- Browse tool within Thomson Innovation
- PACO Thesaurus on STN

CONCLUSION

- Processing assignee data is a significant challenge
 - High volumes of data, increasing annually
 - Non-English language data
 - Grouping into Patent Assignee Codes
- So what's next?

QUESTIONS?

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