

Validity analysis

Researching non patent literature

New tools and new techniques

14 December 2012

Hakim Haouideg

Validity analysis : why ?

- Before purchasing a patent
- Before purchasing a company with patents as (main) assets
- Before taking a license
- After being accused of infringing a patent

.....

- Because if the patent is not new and inventive.... it has no value and cannot be infringed !

Validity analysis : why ?

Article 54 EPC - Novelty

(1) An invention shall be considered to be new if it does not form part of the state of the art.

(2) The state of the art shall be held to comprise everything **made available to the public** by means of a written or oral description, by use, **or in any other way**, before the date of filing of the European patent application.

Validity analysis : Why ?

Article 56 EPC - Inventive step

An invention shall be considered as involving an inventive step if, having regard to the state of the art, it is not obvious to a person skilled in the art. If the state of the art also includes documents within the meaning of Article 54, paragraph 3, these documents shall not be considered in deciding whether there has been an inventive step.

Validity analysis : Why ?

- The examination process is not « bullet-proof »
- Examiners have a limited time which they can devote to searching prior art
 - At the USPTO : 8 to 32 hours per application (Dan L Burk, The Patent Crisis and How the Courts Can Solve It)
 - At the EPO : the performance of examiners is assessed by a system of points (and fractions of points) :
 - Each task generates points
 - Refusal require more work, so they generate more points
 - But after some time, incentive to « give up »

Validity analysis : How ?

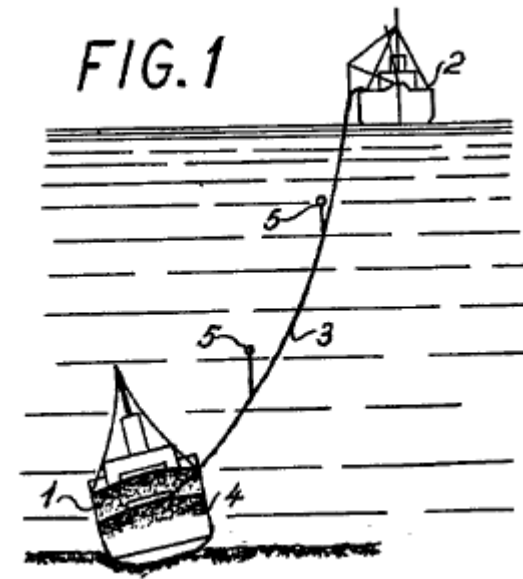
- Traditionally performed by patent examiners or patent attorneys
- Traditionally performed using :
 - Traditional “patent literature” :
 - Derwent World Patents Index (Full Text patents since 1963 from more than 40 patent-issuing authorities).
 - EPO esp@cenet (full text since 1920 worldwide).
 - JPO Abstracts (English abstracts of Japanese patents) + “oriental searches”
 - Traditional “non-patent literature” :
 - Association For Computing Machinery (ACM) Digital Library, Institute Of Electrical And Electronics Engineers (IEEE) Xplore
 - Springer Link, ProQuest, Science Direct (Elsevier), etc...

Validity analysis : How ?

- “Traditional” searches still work very well for “traditional” fields of industry (chemistry, biology, engineering)
- Although sometimes prior art may lie in “common knowledge documents”

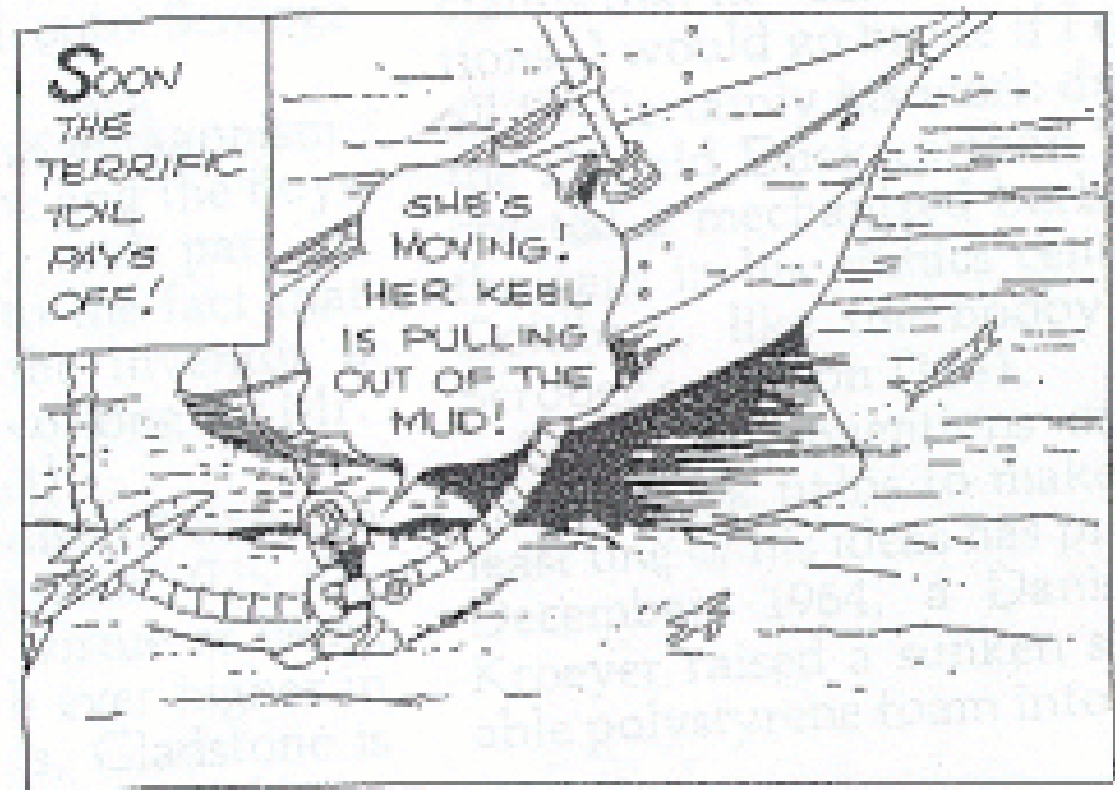
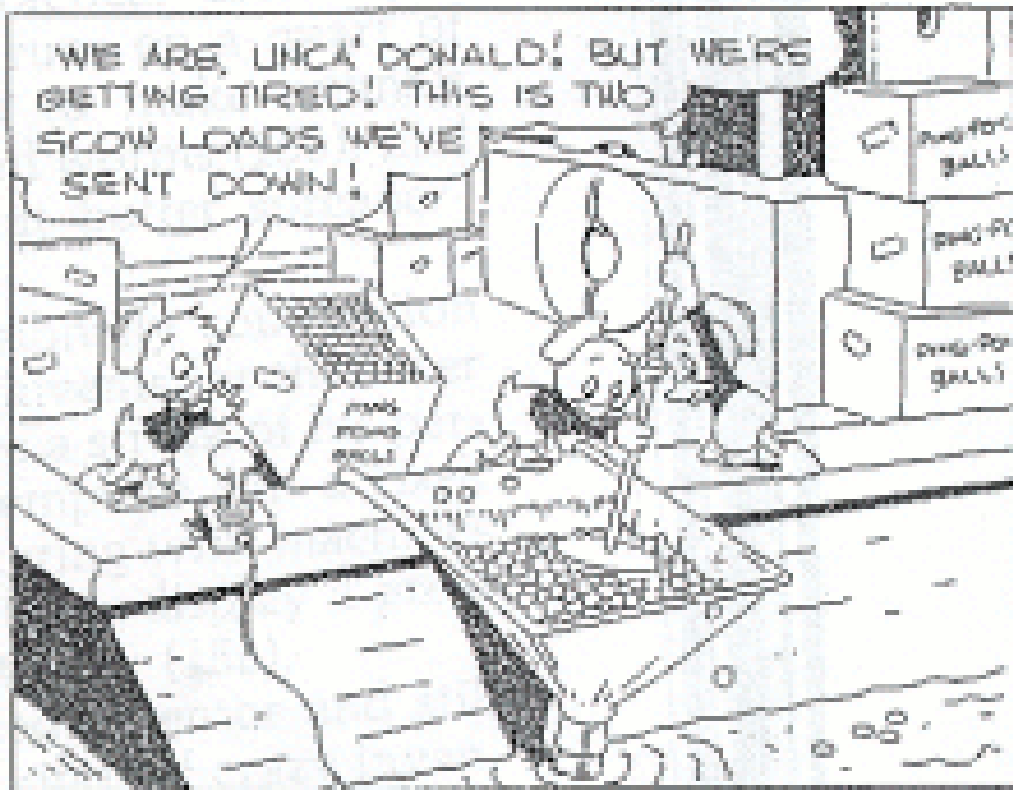
NL 6514306

“buoyant bodies 1 are inserted into a sunken vessel 4 through a tube 3 from a salvage ship 2.”



Validity analysis : How ?

'The Sunken Yacht', © 1949 Walt Disney



Validity analysis : How ?

- But “traditional” searches will likely fail to capture very relevant prior art in other fields :
 - software, business method, features etc...
 - food & food processes
 -
 - any field where prior art is likely not to result from scientists (who publish in journals) or companies (who apply for patent protection) !
- Prior art may be available on university websites, discussion boards or even personal blogs !

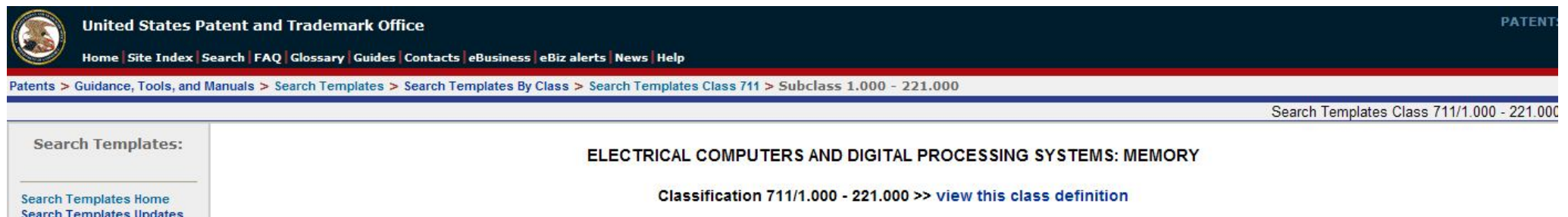
Validity analysis : Use of Internet

- Notice from the European Patent (*EPO Official Journal*, 8-9/2009, 456)

“Especially in fields related to information or software technology, searches bypassing the internet will often not yield the most relevant prior art.”

“For the sake of a valid patent it is hence often crucial to cite publications only obtainable from such internet websites”

Validity analysis : USPTO Search templates



The screenshot shows the USPTO website header with the logo and navigation links. The breadcrumb trail indicates the path: Patents > Guidance, Tools, and Manuals > Search Templates > Search Templates By Class > Search Templates Class 711 > Subclass 1.000 - 221.000. The main heading is "ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY". Below it, a link says "Classification 711/1.000 - 221.000 >> view this class definition". On the left, a sidebar titled "Search Templates:" contains links for "Search Templates Home" and "Search Templates Updates".

Patent literature
(US and foreign)

10 sources



Non-Patent literature
(journals)

+40 sources



“Internet search tool”

+3 sources



Google

Internet archive

Yahoo!

Validity analysis : Use of Internet

- *“Compared to a structured search in patent databases, internet searches are often more a matter of being **lucky**.”*
- EPO 2011, Search Matters 2011, G13
Finding prior art (and more!) on the internet, E. Marttin, EPO examiner
https://e-courses.epo.org/wbts/sm2011/part_3_tools_g13.html

Validity analysis : Use of Internet



(11) **EP 2 260 721 A1**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
15.12.2010 Bulletin 2010/50

(51) Int Cl.:
A23L 1/00 ^(2006.01) **A23L 1/0562** ^(2006.01)
A23L 1/09 ^(2006.01) **A23L 1/22** ^(2006.01)
A23L 1/236 ^(2006.01) **A23G 3/52** ^(2006.01)
A23G 3/38 ^(2006.01) **A23G 3/42** ^(2006.01)

(21) Application number: **09305469.0**

(22) Date of filing: **20.05.2009**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK TR**

(71) Applicant: **Sobel France S.a.s.**
92400 Courbevoie (FR)

(72) Inventors:
 • **CAPDEPON, Claude**
84470, CHATEAUNEUF de GADAGNE (FR)

• **STEVENS, Paul**
9042, GENT MENDONK (BE)

(74) Representative: **Jacobson, Claude**
Cabinet Lavoix
2, place d'Estienne d'Orves
75441 Paris Cedex 09 (FR)

Remarks:
Amended claims in accordance with Rule 137(2)
EPC.

(54) **Marshmallow-like aerated confectionery and method of preparation thereof**

(57) The present invention relates to a marshmallow-like aerated confectionery comprising a gelling agent and a bulking agent, said bulking agent being in particular a

sucrose and/or corn syrup substitute, and said gelling agent being in particular gelatin.

Validity analysis : Use of Internet



Claim 2:

Marshmallow-like aerated confectionery according to claim 1, further comprising a flavour chosen from: **cheese**, fish, vegetables, herbs, spices, meat and salting flavours, such as emmental, chilli, salmon, and bacon.

Validity analysis : Use of Internet

flickr® by Yahoo!

Home The Tour Sign Up Explore - Upload

☆ Favorite Actions + Share this +

+ Newer 🔍 Older +



Cheese Flavored Marshmallows

I was slightly less horrified when I read that this was fish bait and not actual food for people. But still ...

Validity analysis : Use of Internet

EP 2 260 721 A1



EUROPEAN SEARCH REPORT

Application Number

EP 09 30 5469

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|-------------------------------------|--|-------------------|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| X | WO 00/69275 A (HERCULES INC [US]; JOENSSON TORBEN [DK]; KRISTENSEN JEANETTE [DK]; GRO) 23 November 2000 (2000-11-23) * page 7, lines 6-9,17-23 * * page 9, lines 4,5 * * page 10, lines 7-10 * * page 12, lines 3,9-14 * * page 13, lines 6-8 * * claims 1,6,7,15,16 * | 1,2,14 | |
| P,X | ----- ANONYMOUS: "Cheese flavored marshmallows"[Online] 3 August 2009 (2009-08-03), XP002546575 Retrieved from the Internet: URL: http://www.flickr.com/photos/yardsalebloodbath/3785557391/ > [retrieved on 2009-09-14] * the whole document * | 1,6,14 | TECHNICAL FIELDS SEARCHED (IPC) |



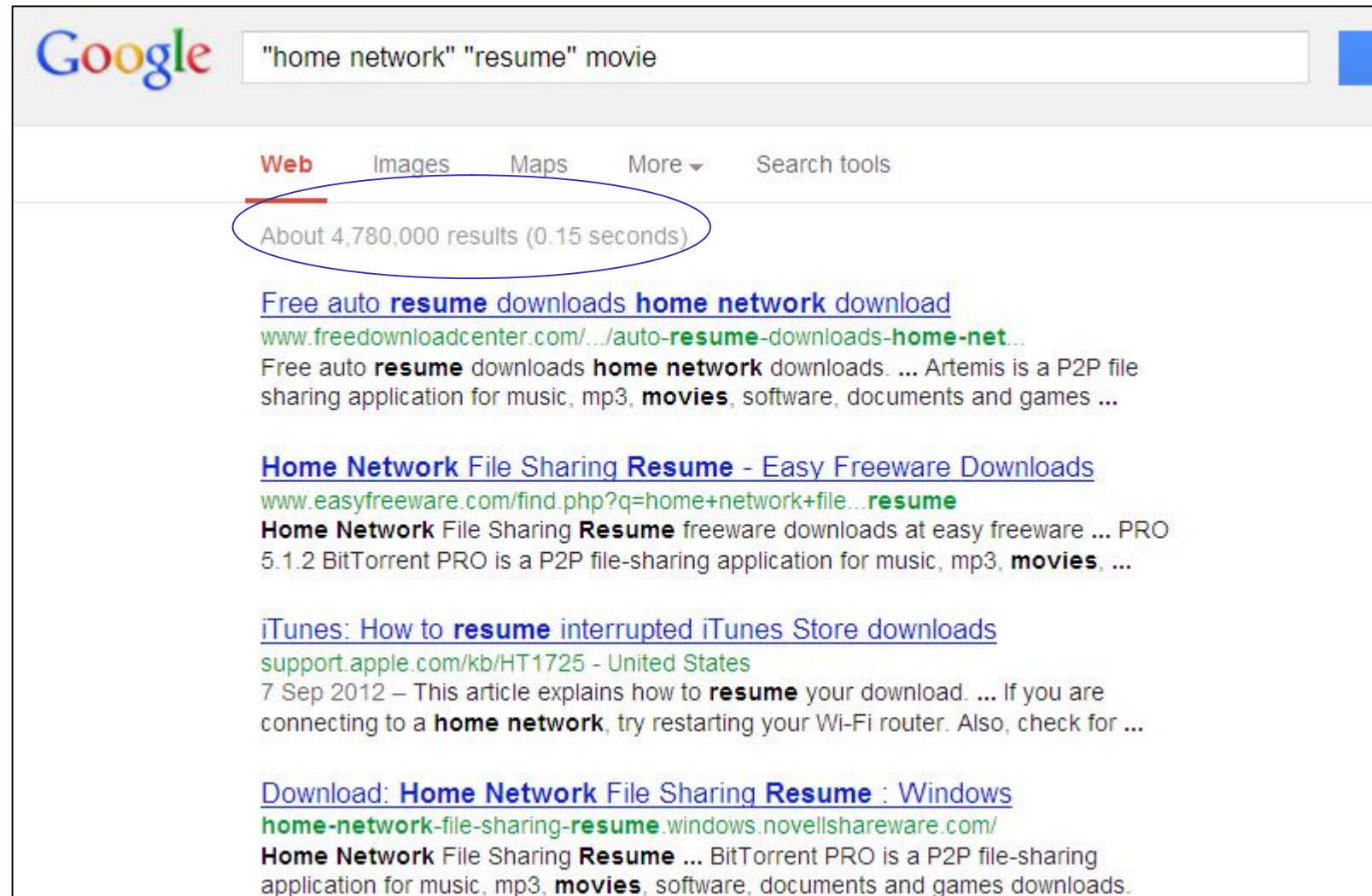
Internet tools

- Google search engine
- Google Books
- Google News Archive
- Google Patents
- Wayback Machine
- ArticleOnePartners

Google (search engine)

- How to get the most relevant results ?
- Use of the “traditional” operators
 - "AAAA BBBB" (otherwise it will be AAAA OR BBBB)
 - "AAAA" will return only AAAA (otherwise Google will interpret the word and search based on variations – eg :
 - PAUSE will also search on PAUSING, SUSPEND etc...
 - VOD will also search on Video On Demand
 - AAAA –BBBB will provide pages where AAAA is present and BBBB not
 - intitle:AAAA will provide pages where AAAA is in the title of the page
- For prior art search : most important – Time restrictions !

Google (search engine)



The screenshot shows a Google search interface. The search bar at the top contains the text "home network resume movie". Below the search bar, the "Web" tab is selected and highlighted with a red underline. A blue oval is drawn around the text "About 4,780,000 results (0.15 seconds)". Below this, there are four search results listed. Each result includes a blue hyperlink, a green URL, and a black text snippet. The first result is from freedownloadcenter.com, the second from easyfreeware.com, the third from support.apple.com, and the fourth from novellshareware.com.

Google

"home network" "resume" movie

Web Images Maps More Search tools

About 4,780,000 results (0.15 seconds)

[Free auto resume downloads home network download](#)
www.freedownloadcenter.com/.../auto-resume-downloads-home-net...
Free auto **resume** downloads **home network** downloads. ... Artemis is a P2P file sharing application for music, mp3, **movies**, software, documents and games ...

[Home Network File Sharing Resume - Easy Freeware Downloads](#)
www.easyfreeware.com/find.php?q=home+network+file...resume
Home Network File Sharing **Resume** freeware downloads at easy freeware ... PRO 5.1.2 BitTorrent PRO is a P2P file-sharing application for music, mp3, **movies**, ...

[iTunes: How to resume interrupted iTunes Store downloads](#)
support.apple.com/kb/HT1725 - United States
7 Sep 2012 – This article explains how to **resume** your download. ... If you are connecting to a **home network**, try restarting your Wi-Fi router. Also, check for ...

[Download: Home Network File Sharing Resume : Windows](#)
home-network-file-sharing-resume.windows.novellshareware.com/
Home Network File Sharing **Resume** ... BitTorrent PRO is a P2P file-sharing application for music, mp3, **movies**, software, documents and games downloads.

Google (search engine)

Google

"home network" "resume" movie

Web Images Maps More Search tools

The web Any time All results Search near...

Free auto ✓ Any time
www.freedownload...
Free auto
sharing ap Past hour
Past 24 hours
Past week
Past month
Past year
Custom range...

Home Network download
resume-downloads-home-net...
network downloads. ... Artemis is a P2P file
ies, software, documents and games ...

Home - Easy Freeware Downloads
e+network+file... resume
freeware downloads at easy freeware ... PRO
ng application for music, mp3, movies, ...

iTunes: Itunes Store downloads
support.ap States
7 Sep 2012 – This article explains how to resume your download. ... If you are
connecting to a home network, try restarting your Wi-Fi router. Also, check for ...

Download: Home Network File Sharing Resume : Windows
home-network-file-sharing-resume.windows.novellshareware.com/
Home Network File Sharing Resume ... BitTorrent PRO is a P2P file-sharing
application for music, mp3, movies, software, documents and games downloads.

Google (search engine)

Google "home network" "resume" movie

Web Images Maps More Search tools

The web Before 1 Jan 2000 Sorted by relevance All results Clear

[resume](#) || Andrew Dahley
[alumni.media.mit.edu/~andyd/paper/resume.html](#)
15 May 1998 - For a more printable copy use the PDF version of my **resume** ... designed, and developed "smart" products for the digital **home network**, fully integrating physical ...

[AT HOME NETWORK INC, BINGHAM FARMS, MI Home Health ...](#)
[www.carepathways.com/HC-4-detail.cfm?...](#) - United States
31 May 1996 - AT **HOME NETWORK** INC, BINGHAM FARMS, MI Home Health Care Agency. ... Search Job Openings Search **Resume** Postings Post Your **Resume** FREE Edit ...

[The Microsoft Interactive TV System: An Experience Report](#)
[research.microsoft.com/en-us/um/people/mbj/papers/.../tr-97-18.html](#)
by MB Jones - Cited by 34 - Related articles
15 Jul 1997 - The same code is used with different data to provide **movies**-on-demand, ... While this trial happens to use an "ATM-to-the-**home**" **network**, it should be noted that the only hang, requiring a hardware reset before processing would **resume**.

Gooogle >
1 2 3 4 [Next](#)

[Advanced search](#) [Search Help](#) [Give us feedback](#) [Google.com](#)



Google (search engine)

- Not 100% reliable :
 - *"Google tries to estimate the publication date for a page by using information such as the date Google first crawled the page,"*
 - Google also uses the dates included in web pages if they are good candidates for the published date.
 - This option works best for pages published after 2001
(<http://support.google.com/websearch/bin/answer.py?hl=en&answer=142143>)
- Very good for articles published in the news or blog entries (with very clear/reliable date)
- Very useful to search in “limited results” and avoid “noise” from earlier dates (removes false + but not all of them)

Google Books



- December 2004 : Google Print Library Project
- Partnership with University libraries to “scan” and “index” all books
- March 2012 : Google passes 20 million books scanned
- Also includes various magazines

Google Books

Claims

1. A method of manufacturing a doughnut, comprising two spraying steps in which a proven yeast dough mixture product is coated with cooking fat, and an intervening baking step.

Google Books



no fry doughnuts

Search

About 15,800 results (0.59 seconds)

Web

Images

Maps

Videos

News

Shopping

Books

More

Browse books

Any view

Preview and full view

Full view

Any document

Books

Magazines

List view

Grid view

[Top Pot Hand-Forged Doughnuts: Secrets and Recipes for the Home Baker - Page 25](#)



[books.google.com](#)

Mark Klebeck, Michael Klebeck, Scott Pitts - 2011 - 144 pages - [Preview](#)

But since it's **not** readily available for home use, we recommend **frying** in canola or vegetable oil, because it has a neutral flavor and because it can handle the temperatures used for **doughnut frying**. If you have some on hand, ...

[More editions](#)

[Wolfsden: an authentic account of things there and thereunto ... - Page 101](#)



[books.google.com](#)

J. B. - 1856 - 504 pages - [Full view](#)

and save his lard to **fry doughnuts**, and send his tail to the minister for a present. ... And he got on the house and crawled down most to the fireplace, and he could get **no** further, for the chimney was so narrow.

[More editions](#)

[Cooking With Wilma Family and Friends - Page 81](#)



[books.google.com](#)

Wilma Coates - 2010 - 228 pages - [Preview](#)

Roll out to 1/2 inch thick and **fry** in hot oil. Ruth Owatowa, MN **No Fry** Do-nuts 2 pkg yeast - scald 1 1/2 c milk (cool to luke ... Immediately brush with melted butter and sprinkle with sugar. Makes 1 1/2 to 2 doz **donuts**.

[Allergy Cooking with Ease: The No Wheat, Milk, Eggs, Corn, and Soy ... - Page 60](#)



[books.google.com](#)

Nicolette M. Dumke - 2006 - 238 pages - [Preview](#)

No-fry Doughnuts These are a delightful dessert for "kids" of all ages and are easier ...

[More editions](#)

Google Books

Tous les affichages

Aperçus et livres entiers

Livres entiers

Tous les documents

Livres

Magazines

Liste

Grille

Date indifférente

XXIe siècle

20e siècle

19e siècle

Période personnalisée

Début :

Fin :

1/3/2000

Ex : 23/5/2004

Good housekeeping: Volume 175



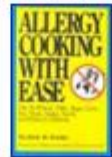
books.google.be

1972 - Extraits

Introducing **No-Fry Doughnuts**. Doughnuts that are different from any other kind. Because you don't fry them. You bake them. That's right! Just put them in the oven and you've got them made. Cinnamon Sugared, Applesauce or Chocolate.

[Autres éditions](#)

Allergy cooking with ease



books.google.be

Nicolette M. Dumke - 1992 - 316 pages - Extraits

... ENGLISH MUFFINS 63 XXXXXX **NO-FRY DOUGHNUTS** 67 X* X* XXXXXX* OAT YEAST BREAD 56 XXXXXX PITA (POCKET) BREAD 62 XXXXXX PRETZELS 62 XXXXXX QUICK BARLEY YEAST BREAD 59 XXXXXX* X< QUINOA YEAST BREAD 57 XXXXXXXX RAISIN BREAD 57 XXXXXXXX ...

[Autres éditions](#)

Directory of shopping centers in the United States: Volume 22, Numéro 4



books.google.be

National Research Bureau, inc - 1981 - Extraits

Hospital Supplies Chick's **Donuts** Cole's Art Gallery Contra Costa Stationers Curtain Shop Diablo Beauty College Ernies ... Liquors Sambo's Restaurant Type: Neighborhood Stores: 9 Parking Spaces: 208 Expansion Planned: **No Fry's** Super Mkt.

[Autres éditions](#)

ALLERGY COOKING WITH EASE

Nicolette M. Dumke

STARBURST  PUBLISHERS
P.O. Box 4123, Lancaster, Pennsylvania 17604

YEAST RAISED BREADS AND BAKED GOODS

the square with oil only if sugar is used for the
it with the sweetener and sprinkle it with
raisins. Roll the square up starting from one
into 9 slices and place them cut side down in
or 9" by 9" baking pan. Allow the rolls to rise
90") place for about 20 to 30 minutes, or
volume and fill the pan. Bake at 375° for 20 to
they are lightly browned. Makes 9 cinnamon
use a whole batch of "Spelt Sweet Roll Dough"
or honey in this recipe, roll the dough out to a
spread it with 1 1/2 times the given amount
up starting on the long side, cut the roll into
in a 13" by 9" pan to make 12 rolls.

*This recipe is free of wheat, milk, eggs, corn
of refined sugar if it is sweetened with the fructose*

No-fry Doughnuts

*These are a delightful dessert for kids of all ages
relatively easy to make.*

Quinoa-Cinnamon:

1 c. apple juice concentrate, thawed
1 package quick-rise yeast
2 1/2 c. quinoa flour
1 3/4 tsp. guar gum
1 tsp. cinnamon
1/8 tsp. salt (optional)
3 tbsp. oil
Additional oil
Optional coating: 1/4 c. sugar plus 1 tsp. cinnamon

Rye:

1 c. water plus 1/3 c. maple syrup OR 2 2/3 c. white
grape juice boiled down to 1 1/3 c.
1 package quick-rise yeast
3 1/4 to 3 3/4 c. rye flour

Roll out the dough to about 1/2" thickness on a floured board
and cut it with a floured doughnut cutter. Transfer the doughnuts
to an oiled cookie sheet with a spatula. Brush the tops of them
with oil. Let them rise again until they have doubled in volume,
about 20 minutes. Bake at 400° for 10-15 minutes, or until they
are golden brown. Immediately brush them with oil and sprinkle
them with or shake them in a bag with the coating, if desired.
Makes about 11 to 12 quinoa, carob, or apple-juice-sweetened spelt
doughnuts, 12 to 13 rye doughnuts, or 15 to 16 spelt doughnuts if
the dough is made with sugar or honey.

Google News Archive

- Huge collection of scanned journals
- Mainly US
- Sometimes very old (starting in the 1800s)
- Fully indexed and searchable...
- <http://news.google.com/newspapers>

Google News Archive

 [Archive Search Help](#)

All Newspapers [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#)

A
A Propos
164 issues
Sep 16, 1973 - Aug 17, 1974
L'Abeille de la Nouvelle
275 issues
Dec 31, 1862 - Dec 31, 1870
Acadian Recorder
128 issues
Nov 18, 1854 - Dec 28, 1861
L'Action Conservatrice
2 issues
Jun 21, 1935 - Oct 11, 1935
L'Action Québec
534 issues
Nov 1, 1971 - Sep 8, 1973

Adams County News
354 issues
Nov 28, 1908 - Aug 25, 1917

Advertiser-News
11 issues
Oct 6, 1977 - Dec 27, 1979

A'tome
23 issues
Feb 14, 1974 - Dec 19, 1974
L'abeille de la Nouvelle-Orleans
14,981 issues
Jan 1, 1846 - Dec 28, 1929
L'Acadien
922 issues
Dec 31, 1819 - Aug 13, 1929
L'Action des Deux Montagnes
70 issues
Oct 4, 1962 - Aug 25, 1965
L'Action Sociale
1,333 issues
May 1, 1903 - Dec 30, 1915

The Adams County Record
110 issues
Dec 1, 2005 - Apr 15, 2009

The Advocate
48 issues
Jan 14, 1886 - Jan 6, 1887

L'Abeille
752 issues
Sep 4, 1827 - Dec 31, 1830
The Aberdeen Times
363 issues
Nov 28, 1968 - Apr 15, 2009
L'Action
23 issues
Jan 3, 1963 - Feb 28, 1963
L'Action Libérale
345 issues
May 3, 1888 - Sep 26, 1931
The Acton Free Press
65 issues
Sep 6, 1894 - Dec 25, 1895

The Advertiser
216 issues
Jul 11, 1868 - Jan 3, 1873

The Afro American
3,623 issues
Jan 4, 1902 - Dec 26, 1992

Google News Archive

Google news no try doughnuts Search Archive Search the Web Archive Search Help

Star-News - Aug 24, 1994 Browse this newspaper » Browse all newspapers » Page 38 of 45 Link to article

a muffin tin.

NO-FRY DOUGHNUTS

2 packages of dry yeast
¼ cup warm water
1½ cups scalded and cooled milk
½ cup sugar
1 teaspoon salt
1 teaspoon nutmeg
¼ teaspoon cinnamon
2 eggs
½ cup shortening
4 cups flour, divided
½ melted butter or margarine, divided
Cinnamon sugar or glaze (See below)

In a large bowl dissolve yeast in warm water. Add milk, sugar, salt, nutmeg, cinnamon, eggs, shortening and 2 cups flour. Mix for 1/2 minute, scraping bowl constantly. Beat for 2 minutes at medium speed. Stir in additional 2 cups

utes). Bake for 8 to 10 minutes in 425 degree oven or until golden. Immediately brush with approximately ¼ cup melted butter or mar-

Linda Brandt is the food editor for the Sarasota (Fla.) Herald-Tribune

Caroline's
Murrayville Post Shopping Ctr.
2307 N. Colloge Rd.
392-1533

Is Having A
PRE-LABOR DAY SALE
August 25, 26 & 27

Everything In The Store reduced 15% to 60%

- 12" Ruffled Lamp Shades Reg. \$22.95. Sale \$18⁹⁵
- Place Mats starting at \$6⁰⁰
- Decorator Pillows starting at \$6⁰⁰
- Large Selection of TOPPER TREATMENTS Reduced Up to 40%
- Good Selection Of Coverlets & Bedspreads Reduced Up To 60%
- Large Selection CURTAINS PRICED TO SELL!

Stock

Call code 99
Symbol you
example. to
press the sta
and net chan

A-21
B-22
C-23
D-31
E-32
F-33
G-41
H-42

Mortgage

4101 Cooper
4104 Ashton
Mortgage
4105 Alpha

Star-News

Related articles

No related articles found for this article.

Sponsored Links

[Learn Vegan Cooking](#)
Online gourmet vegan video cookbook Over 30 hrs! One low price \$29.95
www.scooronline.com
Dehaize : Caddy Home

Google Scholars

- Huge collection of scientific papers
- Google remains secret about the exact number
- Same search functions (eg restrict by date)
- Most useful specific features
 - Quickly find all publications that are cited by a first publication
 - Possible to search only in the publication that cite a particular publication
- <http://scholar.google.com>

Google Scholars

Scholar7 results (0.03 sec)

All citations

Articles

Legal documents

Any time

Sort by relevance

☒ include citations

7 results (0.03 sec)

☐ Search within citing articles

[Mobile ID protocol: A badge-activated application level handoff of a multimedia streaming...](#)

[Seamless user-level handoff in ubiquitous multimedia service delivery](#) [PDF] from psu.edu

[Quality of protection for mobile multimedia applications](#) [PDF] from mirlab.org

[\[doc\] MobAudio: Architecture of distributed audio on demand services with user mobility support](#) [DOC] from uiuc.edu

Y Cui, K Nahrstedt, D Xu - Multimedia Tools and Applications, 2004 - Springer

Advancing mobile computing technologies are enabling "ubiquitous personal computing environment". In this paper, we focus on an important problem in such environment: user mobility. In the case of user mobility, a user is free to access his/her personalized service ...

Cited by 47 Related articles BL Direct All 16 versions Cite

CS Ong, K Nahrstedt, W Yuan - Multimedia and Expo, 2003., 2003 - ieeexplore.ieee.org

Abstract In traditional computer systems, security is typically provided in a one-or-nothing manner; the system is either secure or insecure. Such an approach is insufficient for pervasive environments that contain heterogenous devices with varying computing ...

Cited by 38 Related articles All 11 versions Cite



L Wang - 2002 - cairo.cs.uiuc.edu

In the recent years there are some great advances in the areas of information technology

Google Patents

- ALL granted patents and published patent applications from the USPTO and the EPO :
 - US as from 1790
 - EPO as from 1978
- Fully searchable
- Easy to navigate

Google Patents

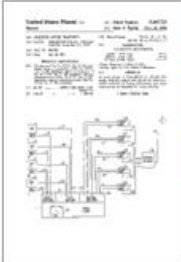


Patents


[Find prior art](#)[Discuss this patent](#)[Read this patent](#)[Download PDF](#)

Multiple access television

Richard H. Bennett



[Overview](#)[Abstract](#)[Drawings](#)[Description](#)[Claims](#)

 +1 0

Patent number: 5068733
Filing date: Feb 19, 1991
Issue date: Nov 26, 1991

A novel process of broadcasting live televised programs, whereby multiple video options are made available to the viewer on existing conventional cable r are obtainable by viewer selection.

Inventor: [Richard H. Bennett](#)
Current U.S. Classification: [725/73](#); [348/E05.057](#)
International Classification: H04N 5262; H04N 5268; H04N 712

[View patent at USPTO](#)
[Search USPTO Assignment Database](#)

Citations

| Cited Patent | Filing date | Issue date | Original Assignee | Title |
|---------------------------|--------------|--------------|-------------------|------------------------------------|
| US1769920 | Apr 30, 1929 | Jul 8, 1930 | | ELECTROOPTICAL TRANSMISSION SYSTEM |
| US2878318 | Feb 15, 1956 | Mar 17, 1959 | | CAMERAS |
| US4777526 | Jun 5, 1987 | Oct 11, 1988 | Sony Corporation | Security monitor system |

Referenced by

| Citing Patent | Filing date | Issue date | Original Assignee | Title |
|---------------|-------------|------------|-------------------|-------|
|---------------|-------------|------------|-------------------|-------|

Google Patents

Ask Patents

QuestionsTagsUsersBadges

Tagged Questions

newestfaqvotesactiveunanswered

There are currently no questions about Patent us5068733

Ask a question about Patent us5068733 or browse other active questions.

Ask Patents - Stack Exchange is a collaborative question and answer site about the US patent system. [Learn more about how it works.](#)

 newest us5068733 questions feed

Google Patents

Prior Art Finder

Top 10ScholarPatentsWebBooksPeople

Search Terms

Add your own

☒ televised programs

x

☒ viewer selection

x

☒ access television

x

☒ broadcasting

x

☒ video signals

x

☐ audio signal

x

☐ multiple access

x

☐ radiating antenna

x

☐ video options

x

☐ broadcasted signals

x

Custom Date Range

Start date: MM/DD/YYYY

End date: 02/19/1991

Top 10 US5068733 Related Results

[A Programmable TV Receiver](#)

N Kokado, Y Kudou, T Shigematsu, S Takehara - Consumer Electronics, IEEE ..., 1976

... is cut off and the characters generated by the character generating circuit are sent to the CRT, and the **TV** screen displays only the **programs**. The CP system consists of a channel **selection** circuit, a program- ming circuit, a clock circuit and a character generating circuit ...

[A store-and-forward architecture for video-on-demand service](#)

AD Gelman, H Kobrinski, LS Smoot, SB Weinstein... - Communications, 1991. ICC' ..., 1991

... Simi- larly, local cable **TV** companies, while supplying customers with **programs** from a variety of providers ... s transfer rates, which would be required for VOD using HDTV quality **programs**, multiple head ... the CO-SP, the readout from the buffer is halted and the **viewer** is provided a ...

[SPANISH INTERNATIONAL NETWORK The Flow of Television from Mexico to the United States](#)

FF Gutierrez, JR Schement - Communication Research, 1984

... The first **TV** stations opened to what one **broadcasting** trade magazine called a "flood of fanfare," reportedly costing more than \$100,000 in Los ... yet required on new **television** sets, and so many households had to purchase a UHF converter in order to **access** **SIN programs**. ...

Internet searches


- How to show that a page was available on the Internet at a certain date ?
- How to retrieve pages that have disappeared from the Internet ?


Wayback Machine

- The “digital time capsule”
- Created by the Internet Archive (npo, based in SF)
- Browse through over 150 billion web pages archived from 1996 to a few months ago.
- No search engine available (“browsing only”) :
 - When you know the page WAS there (e.g. URL mentioned in a publication)
 - When you want to browse an old version of a site

Wayback Machine







Search

About 2,250,000 results (0.39 seconds)

...

[\[doc\] Chapter 1](#)

cairo.cs.uiuc.edu/publications/papers/thesis.bozou.doc

File Format: Microsoft Word - [Quick View](#)


by BO ZOU - [Cited by 9](#) - [Related articles](#)

Current multimedia streaming applications, such as **video on demand**, are "machine-oriented", and do not support **user mobility**. In this thesis, I designed and ...

Wayback Machine

<http://cairo.cs.uiuc.edu/publications>

MONET :: Multimedia Operating System and Networking Group



[Home](#)
[About](#)
[Projects](#)
[Publication](#)
[People](#)
[Education](#)
[Calendar](#)
[Software](#)
[Member-Only](#)

There are 46 items.

List Master's Thesis in all r

QoS Resource Management

Master's Thesis

- Vijay Kumar Devatha, **A Scheduling Framework for Distributed Real-time Tasks**, Master's Thesis, Department of Computer Science, University of Illinois at Urbana-Champaign, May, 2001. [pdf](#)

QoS Middleware

Master's Thesis

- Leugim A. Bustelo, **Customizable Device Registration and Reservation in Ubiquitous Environments**, Master's Thesis, Department of Computer Science, University of Illinois at Urbana-Champaign, May, 2001. [pdf](#)
- Xiaohui Gu, **Visual Quality of Service Programming Environment for Distributed Heterogeneous Systems**, Master's Thesis, Department of Computer Science, University of Illinois at Urbana-Champaign, January, 2001. [ps](#)
- Bo Zou, **Mobile ID Protocol: a Badge-Activated Application Level Handoff of a Multimedia Streaming to Support User Mobility**, Master's Thesis, Department of Computer Science, University of Illinois at Urbana-Champaign, August, 2000. [doc](#)

Wayback Machine



INTERNET ARCHIVE
WayBack Machine

http://cairo.cs.uiuc.edu/calendar.html Go

27 captures
21 déc. 97 - 15 juin 10

MAI 20 OCT.
1999 2000 2001

MONET Research Group

Calendar

Spring 2000

The weekly MONET group meetings are Wednesdays at 3-5pm in [3211 DCL](#), interested persons from outside of the group are welcome to attend.

The tentative schedule for Spring 2000 are as follows.

January 19th - Baochun Li - practice talk for MMCN 2000
January 26th - no meeting
February 2nd - Dongyan Xu - Configuration/Gateway protocols
February 9th - no meeting
February 16th - Dao Wichadakul - Adaptive Component-based QoS framework
February 16th - Dongyan Xu - practice talk for IPCCC 2000
February 23rd - Yuxin Zhou - Cable/ATM - QoS Translation and Signaling
February 23rd - John Qian - parallel algorithms for QoS-aware Routers
March 1st - Baochun Li - Final Defense Practice
March 1st - Jun Wang - Differentiated Routing
March 8th - invited talks from Austria/Salzburg
March 15th - Spring Break
March 22nd - Kihun Kim - Advanced Reservation/QoS-aware Scheduling
March 29th - Arun - Enhanced End-to-End Reservation Framework
King-Shan Lui - Hierarchical QoS Routing
April 5rd - Bill Kalter - Role of Gateways in Distributed Visual Tracking Systems
Yuxin Zhou - Practice talk for ATSC2000: IntServ/ATM-ABR
April 12th - no meeting (ICDCS conference in Taiwan)
April 19th - Won Jeon - Dynamic Load Balancing on Clustered Web Servers
April 26th - Samarth Harish Shah - QoS-aware Location Management in Mobile Networks
May 3rd - Bo Zhou - Video Streaming over Ubiquitous devices
May 3rd - Thomas Buchholz and Matthias von Blohn - MPEG2 video transmission and its Palmtop Control

Site Index

- Overview
- Current Projects
 - [OmniTrack on Agilos](#)
 - [2K Project](#)
 - [QoS Routing](#)
 - [Multimedia Security](#)
 - [Edge Devices](#)
 - [DSRT](#)
- Publications
- Software Releases
- People
- Calendar
- Funding Agencies
- MONET Home

“Interested persons from outside the group are welcome to attend”

“May 3rd - Bo Zhou - Video Streaming over Ubiquitous devices”

Wayback Machine

- Already widely referred to in proceedings
- Usually sufficient to have the page, as indexed, plus an affidavit from the directors Wayback Machine confirming the indexation date
 - EPO (Board of Appeal): T 1134/06; T 0990/09; T 2339/09
 - Belgium:
 - Comm. Antwerp, 6 June 2008
 - Comm. Gent, 20 January 2011 (speculoos pasta)

When the internet is not enough....


- You can ask the Internet crowd

Crowd-searching...

- Website calling up on the public to find prior art
- Anyone can participate
- The “winners” earn money (up to 5.000 USD)



Crowd-searching...





 **ARTICLE ONE** PARTNERS

ForumCompanyBlogContactRegisterLoginChoose a Language

HomeWhy Article OneHow it WorksWho Uses Article OneMeet Our CommunityBrowse Studies

OpenNewCompletedWinners

Showing 1 to 18 of 18 entries

| | Study Title | Expires | Rewards |
|---|---|----------------------|---------|
|  DEV 1868 | REAL TIME PREVIEW OF USER COMMANDS This Study relates to a method and system of efficiently and effectively previewing the impact of User commands on an entire document by executing User commands as they are identified. References of interest will describe a method of providing real time preview of changes [more] Computer Technology | 2013-01-21 active | \$5,000 |
|  DEV 1905 | USER DEFINABLE IMAGE REFERENCE POINTS This technology proposes a method for image processing of a digital image. The technology determines one or more sets of pixel characteristics; determines for each pixel characteristic set, an image processing filter; providing a mixing function algorithm embodied on a c [more] Computer Technology | 2013-01-21 active | \$5,000 |
|  DEV 1897 | PROTECTIVE CLOTHING This Study relates to protective clothing; namely, this study is related to the composition and layering of materials primarily used as a flexible protective material to protect bodies. Protective material and protective wear is currently used by persons to protect them [more] Manufacturing & Engineering | 2013-01-15 active | \$5,000 |
|  | METHOD FOR ENCAPSULATING MICROELECTRONIC ASSEMBLIES USING VACUUM | | \$5,000 |

Crowd-searching...



[Forum](#) [Company](#) [Blog](#) [Contact](#)

[Register](#)

[Login](#)

[Choose a Language](#)

[Home](#)

[Why Article One](#)

[How it Works](#)

[Who Uses Article One](#)

[Meet Our Community](#)

[Browse Studies](#)

[Studies](#)

[Study Details](#)

[Patent Study Feed](#)

AOP Code: DEV 1343 Exp: 05/10/12 Categories: CONSUMER



Industry: Computer Technology



ELECTRONIC PROGRAM GUIDE LINKING TV CHANNELS WITH VIDEO CLIPS

This Study is for a method of displaying video information based on receiving an electronic program guide linking a TV channel from a list of TV channels being broadcasted with a video clip, the method comprising:

- (1) displaying icons on the program guide indicating which one of the programs have corresponding video clips or
- (2) the simultaneous display of the video clip and of the TV channel:

The ideal prior art in relation to (2) describes a system according to the attached drawing below.

The input information comprises TV channels as part of a broadcast signal, the video clips and electronic program guide (EPG) information which links a TV channel from the plurality of channels broadcasted with the video clip. The

REWARD: **\$5,000**

* Includes MVR Rewards

[View Winners](#)

[Print](#)

Get Started

NEW: [How to Research AOP Studies](#)

Need help? Get researching tips and learn basic terms.

Browse popular online resources and tools.

[Ask questions in the researcher forums](#)

Join AOP [Register Now](#)

Conclusion

- Searching for prior art on the Internet is still a matter of being lucky....
- It gets easier and easier to get lucky ...