DOLBY LABORATORIES : Portfolio Report

Introduction

Founded in 1965, Dolby Laboratories is best known for its noise reduction and surround sound technologies used in consumer electronics and entertainment systems. The company is headquartered in San Francisco, USA. [1]

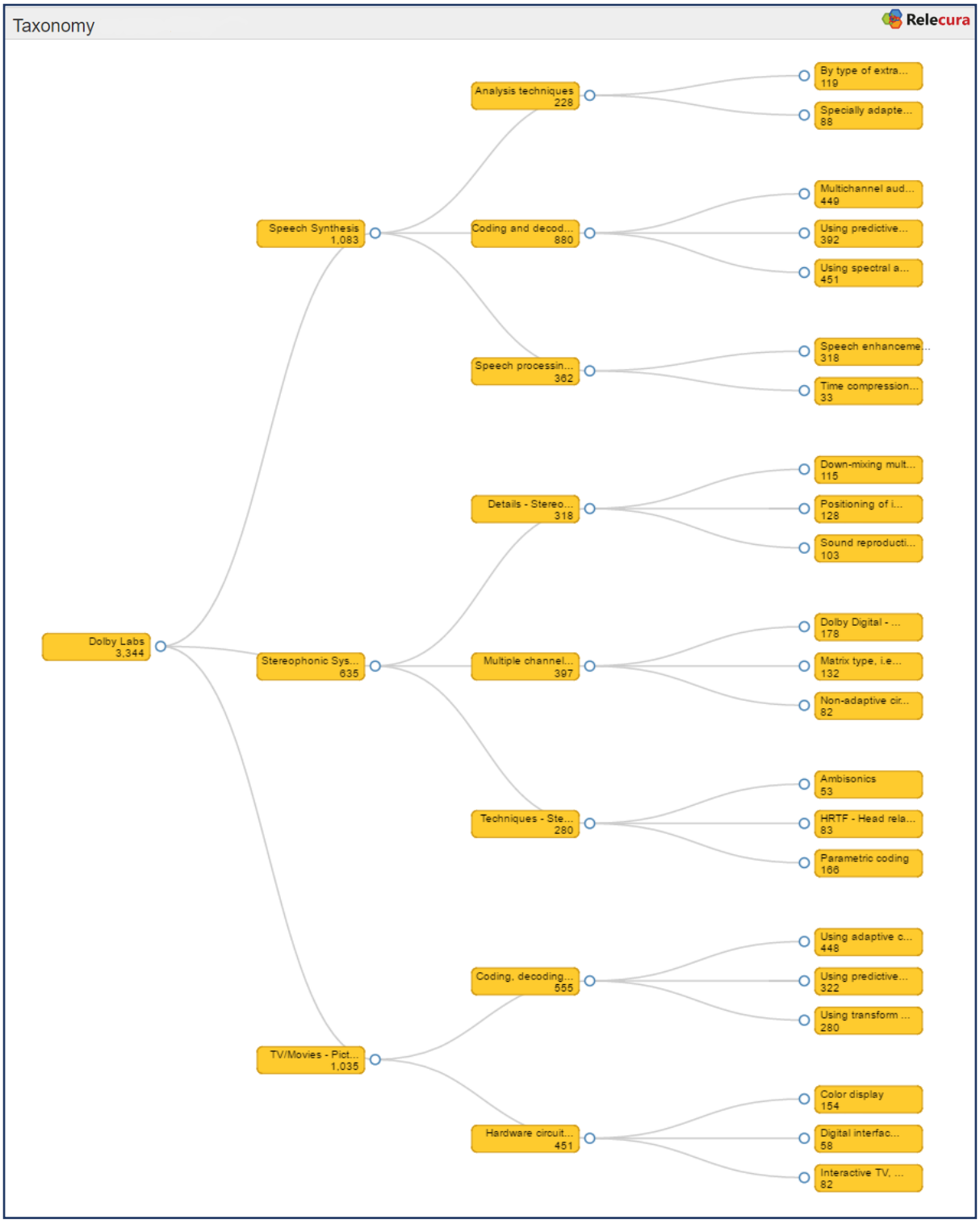
Of Dolby's revenue of approximately US$1 billion, 89% accrues from licensing, 9% from product sales, and the remainder 2% from services. Over the years, Dolby Labs has morphed from being just an audio company to an audio and imaging company. This transition will help drive its licensing revenues in the coming years. [3]

Dolby has adapted well to the changing dynamics of the entertainment industry. Dolby's audio and video technology is now present in a range of platforms - from movie projection systems, TVs, computers, set-top boxes, gaming consoles, smartphones, and tablets. [2]

Contents

Sources:

1. Dolby Laboratories (Wikipedia)
2. Company profile (Reuters)
3. Dolby Labs – 10-K SEC filing


Taxonomy
Relecura
Dolby Labs
3,344
Speech Synthesis
1,083
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Digital interfac...
58
Interactive TV, ...
82

Summary

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TOTAL DOCUMENTS COUNT
3,344

PUBLICATION TYPES
2,838 | 504
Applications | Grants
Top Seller SHARP (88)
Total transactions 1,076

IP TYPES
3,302 | 18 | 3
Invention | Design | Model
No of technologies (109)

PATENT BY STAR RATING
2.30
6
101
1,341
1,344
552

Peak Year of Activity
2016 (518)

Top Active Jurisdiction
US (1,649)

Top Rated
US8982963B2 (5)

Top Cited
US6728317B1 (450)

Portfolio Trends

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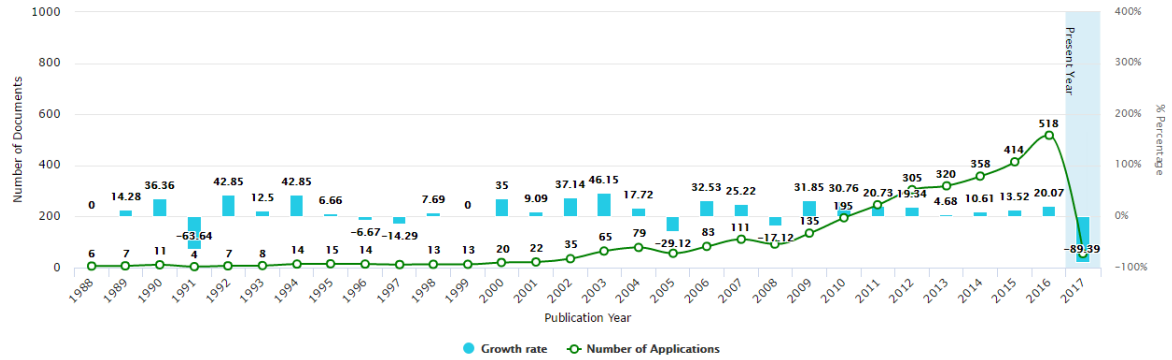

Key Geographies

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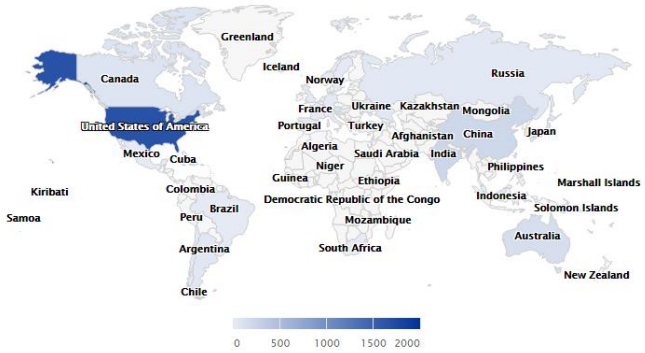
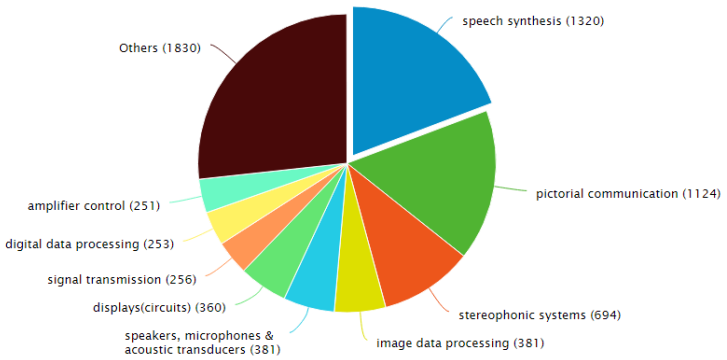


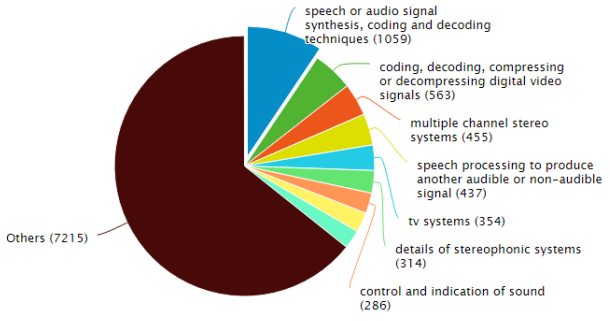
Key Technologies



Analysis of Key Technologies

Technologies	Applications	Grants	Sub Technologies	Geographies
speech synthesis	1142	211	speech or audio signal synthesis, coding and decoding techniques (1073) , speech processing to produce another audible or non-audible signal (455) , multiple channel stereo systems (293) , speech or voice analysis techniques (239) , stereophonic systems techniques (192)	US (546) , WO (190) , IN (122) , CN (95) , EP (81)
pictorial communication	1044	130	coding, decoding, compressing or decompressing digital video signals (565) , tv systems (373) , hardware or software aspects of tv signals (273) , colour tv details (258) , stereoscopic tvs (185)	US (683) , WO (175) , CN (70) , JP (49) , EP (45)
stereophonic systems	622	103	multiple channel stereo systems (474) , speech or audio signal synthesis, coding and decoding techniques (384) , details of stereophonic systems (314) , control and indication of sound (289) , stereophonic systems techniques (278)	US (298) , WO (139) , CN (54) , EP (39) , IN (39)
image data processing	360	47	coding, decoding, compressing or decompressing digital video signals (187) , image coding (173) , image enhancement or restoration (136) , tv systems (136) , image analysis or enhancement (95)	US (220) , WO (58) , AU (35) , EP (20) , CN (17)
speakers, microphones & acoustic transducers	368	81	stereophonic arrangements (235) , multiple channel stereo systems (163) , circuits for transducers, loudspeakers and microphones (157) , control and indication of sound (139) , speech or audio signal synthesis, coding and decoding techniques (139)	US (270) , WO (66) , CN (29) , JP (18) , AU (11)

Key Sub-Technologies



Key Patents

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Publicaton No.	Title	Inventor	Filing Date	Star Rating	#Fwd Citations
US8982963B2	Compatible compression of high dynamic range, visual dynamic range, and wide color gamut video	Walter Gish, Zhen Li, Christopher Vogt	2011-04-21	5.0	66
US7983922B2	Apparatus and method for generating multi-channel synthesizer control signal and apparatus and method for multi-channel synthesizing	Matthias Neusinger, Jürgen Herre, Sascha Disch, Heiko Purnhagen, Kristofer Kjörling, Jonas Engdegard, Jeroen Breebaart, Erik Schuijers, Werner Oomen	2005-08-27	4.5	123
US8891619B2	Rate control model adaptation based on slice dependencies for video coding	Athanasios Leontaris, Alexandros Tourapis	2009-06-15	4.5	79
US7266150B2	Interpolation of video compression frames	Gary A. Demos	2002-06-28	4.5	390
US7519538B2	Audio signal encoding or decoding	Lars Falck Villemoes, Per Ekstrand, Heiko Purnhagen, Erik Gosuinus Petrus Schuijers, Fransiscus Marinus Jozephus de Bont	2004-10-28	4.5	133

Top star rating by sub-technologies

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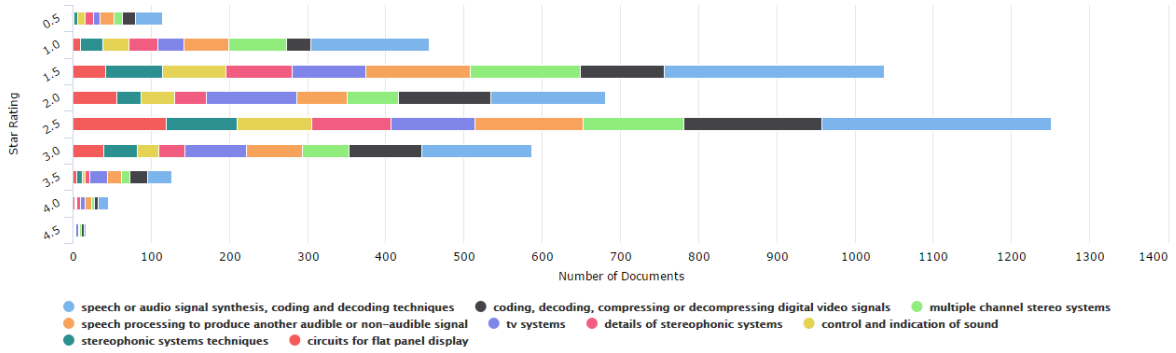

Evolution of Key Technologies

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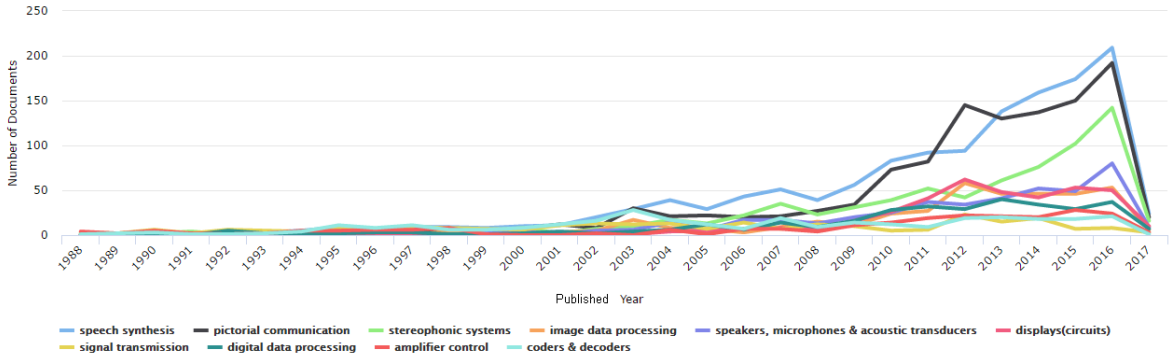
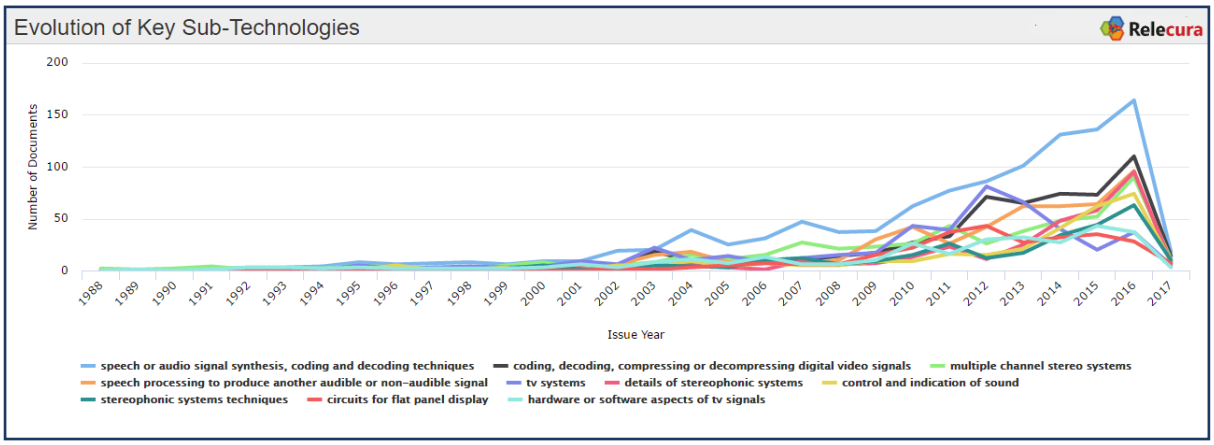
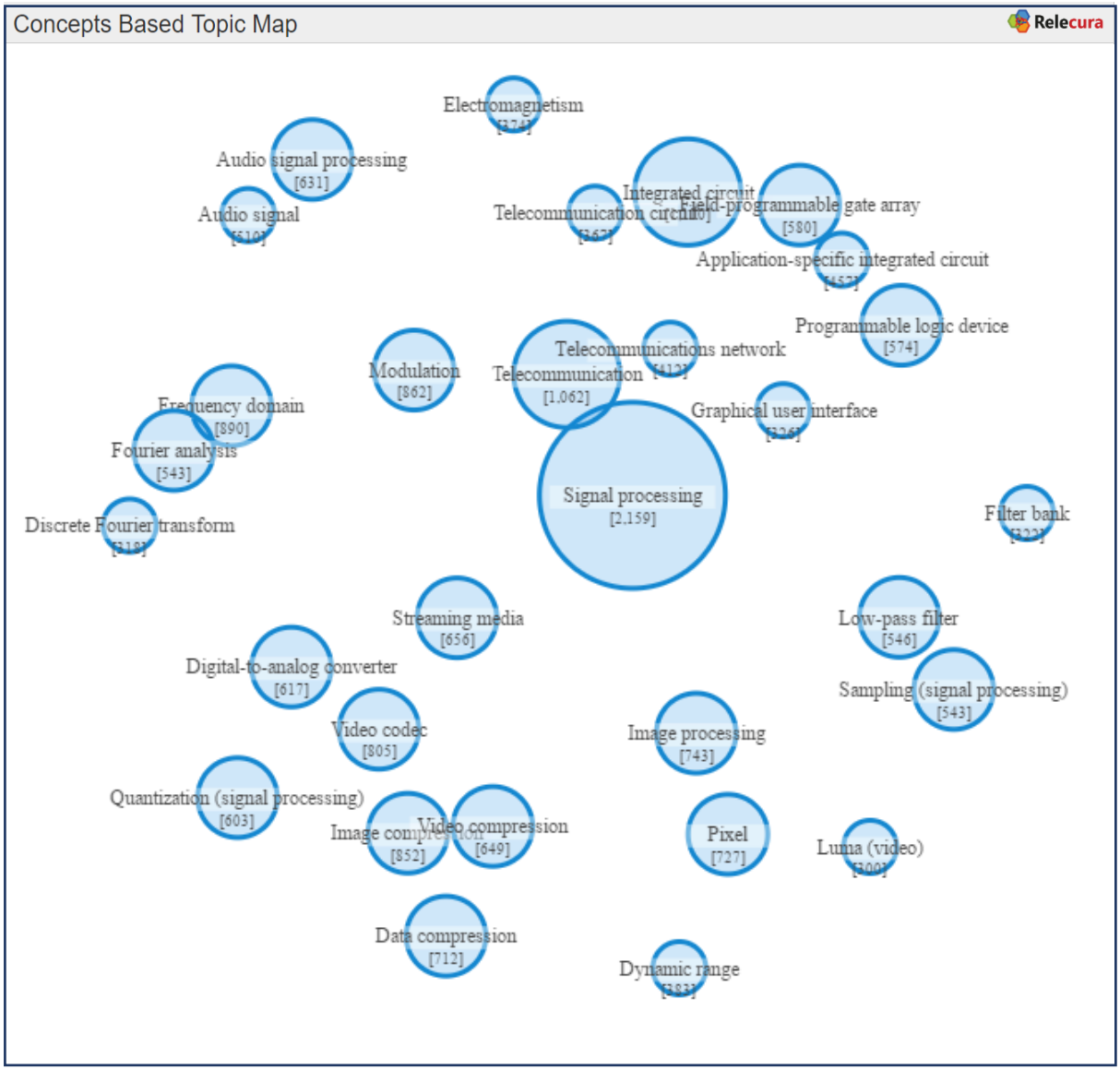



Evolution of Key Sub-Technologies
Relecura
Number of Documents
200
150
100
50
0
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
Issue Year
speech or audio signal synthesis, coding and decoding techniques
coding, decoding, compressing or decompressing digital video signals
multiple channel stereo systems
speech processing to produce another audible or non-audible signal
tv systems
details of stereophonic systems
control and indication of sound
stereophonic systems techniques
circuits for flat panel display
hardware or software aspects of tv signals


Concepts Based Topic Map
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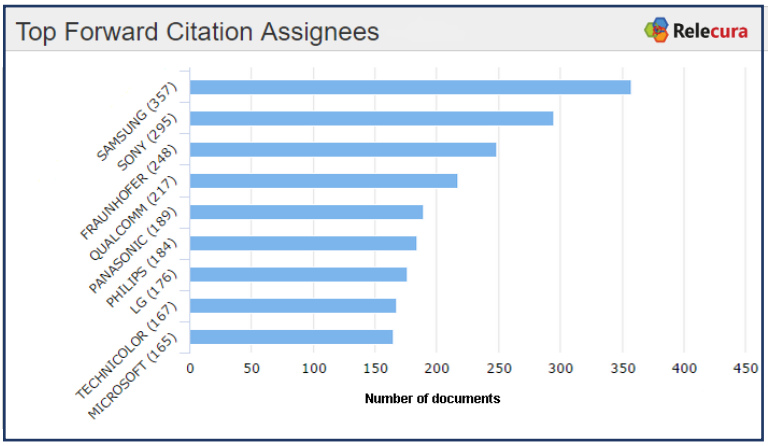
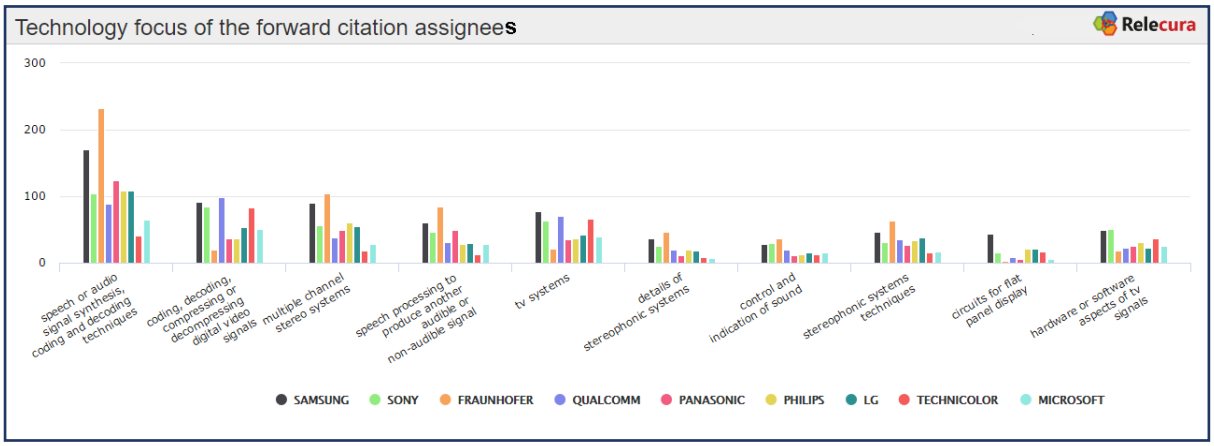
Electromagnetism
[374]
Audio signal processing
[631]
Audio signal
[510]
Telecommunication circuit
[267]
Integrated circuit
Field-programmable gate array
[580]
Application-specific integrated circuit
Programmable logic device
[574]
Telecommunications network
[412]
Telecommunication
[1,062]
Modulation
[862]
Frequency domain
[890]
Fourier analysis
[543]
Graphical user interface
[326]
Signal processing
[2,159]
Discrete Fourier transform
Filter bank
Streaming media
[656]
Low-pass filter
[546]
Digital-to-analog converter
[617]
Sampling (signal processing)
[543]
Video codec
[805]
Image processing
[743]
Quantization (signal processing)
[603]
Image compression
[852]
Video compression
[649]
Pixel
[727]
Luma (video)
Data compression
[712]
Dynamic range





Key Acquisitions

Relecura

Seller	Number of Applications	Technologies
SHARP	88	pictorial communication (88) , coders & decoders (35) , image data processing (19) , data presentation (12) , signal transmission (12)
TECHNICOLOR	60	pictorial communication (29) , stereophonic systems (27) , speech synthesis (24) , speakers, microphones & acoustic transducers (8) , broadcast communication (4)
CODING TECH AB	57	speech synthesis (58) , stereophonic systems (28) , speakers, microphones & acoustic transducers (25) , signal transmission (11) , coders & decoders (6)
DEMOGRAFX INC	47	pictorial communication (44) , image data processing (41) , digital data processing (3) , displays(circuits) (3) , data presentation (2)
UNIVERSITY OF BRITISH COLUMBIA	40	displays(circuits) (48) , optical property modification devices (34) , pictorial communication (33) , photography - camera (26) , optical elements (14)

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