

특허침해분쟁 및 협상 사례

(St.Clair IPC Case)

㈜ 아이티엘

황 차동 대표



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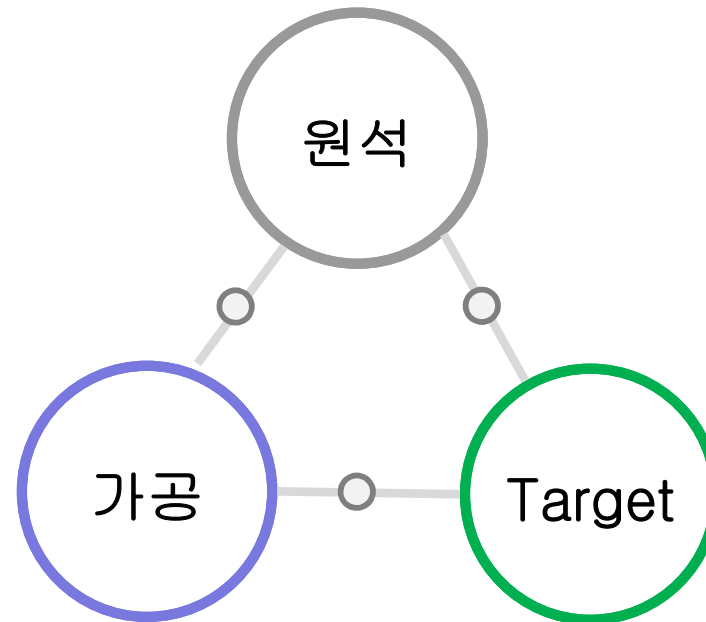
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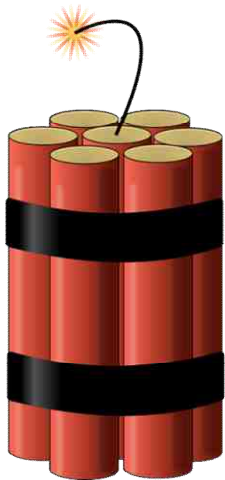
기술(특허)이전의 주요 요소



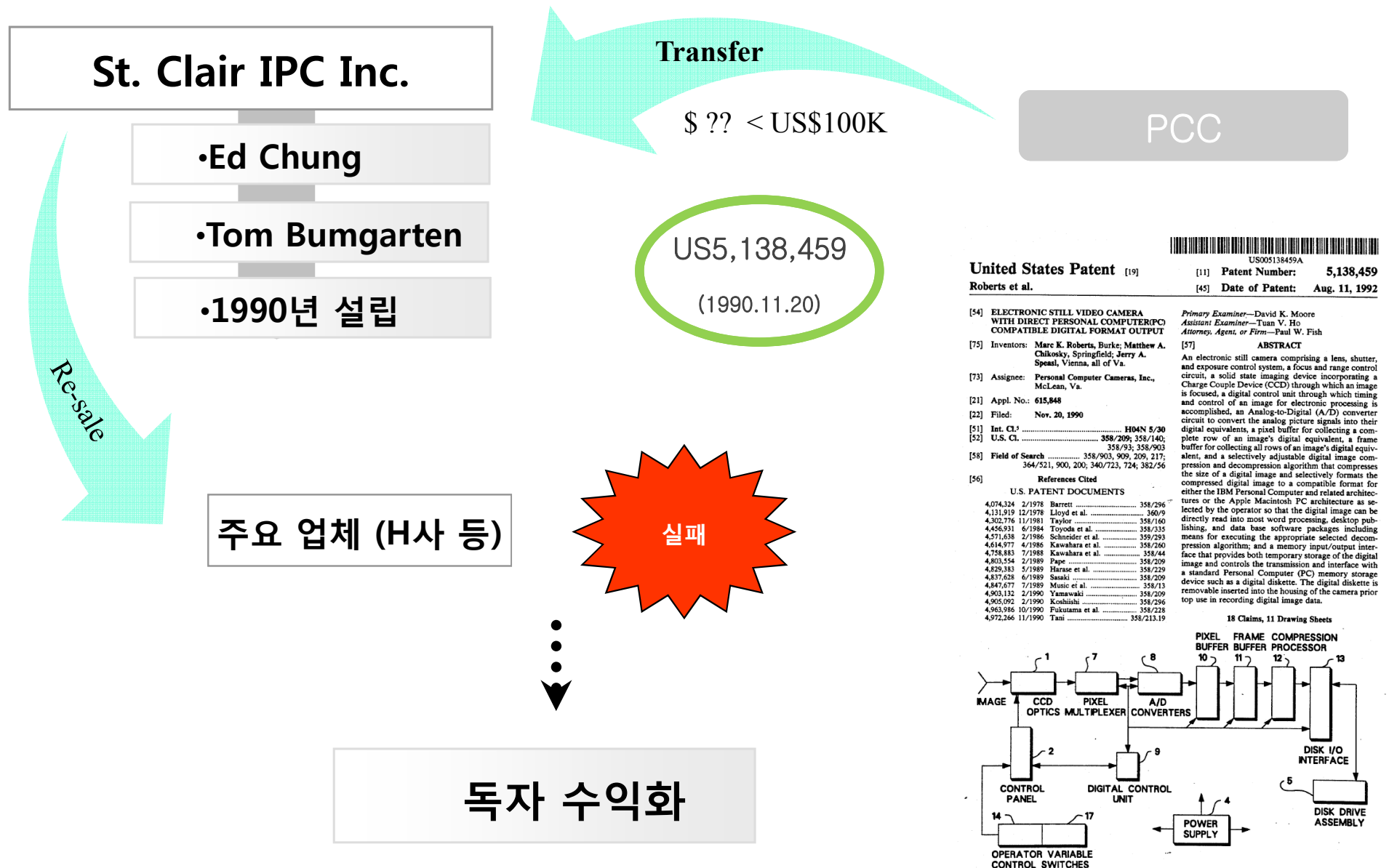
이전 기술(특허)의 불확실성



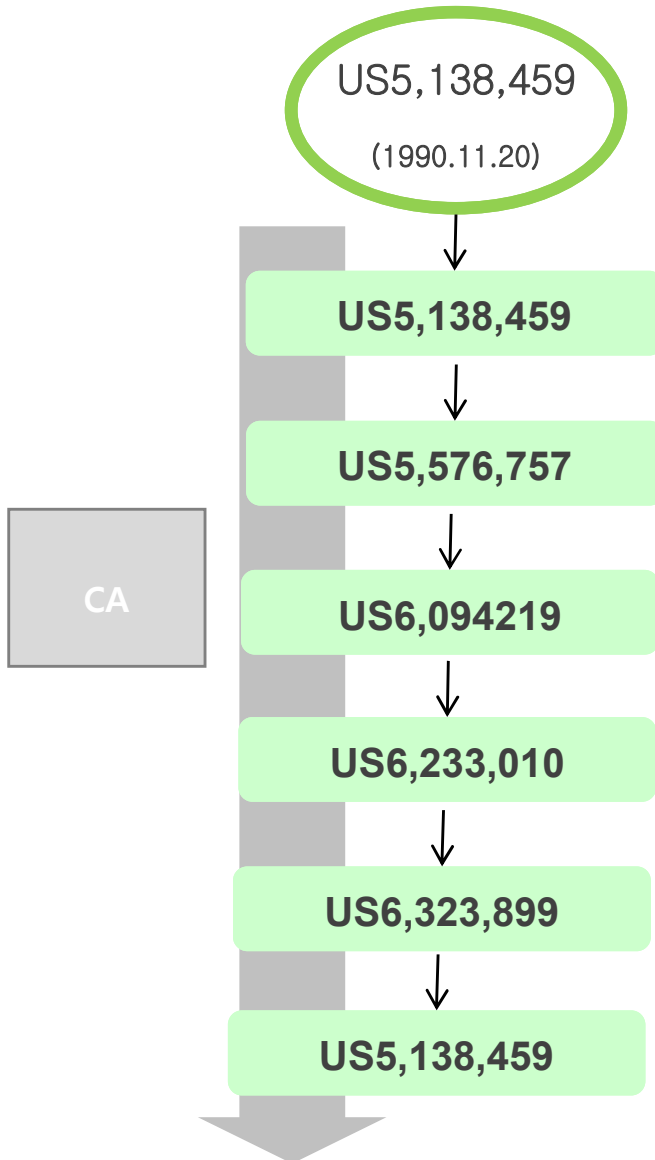
Selection



St.clair Intellectual Property Consultant Inc.



특허 강화 작업



United States Patent [19]

Roberts et al.

[11] Patent Number: 5,138,459

[45] Date of Patent: Aug. 11, 1992

[54] ELECTRONIC STILL VIDEO CAMERA WITH DIRECT PERSONAL COMPUTER(PC) COMPATIBLE DIGITAL FORMAT OUTPUT

[75] Inventors: Marc K. Roberts, Burke; Matthew A. Chikosky, Springfield; Jerry A. Speasl, Vienna, all of Va.

[73] Assignee: Personal Computer Cameras, Inc., McLean, Va.

[21] Appl. No.: 615,848

[22] Filed: Nov. 20, 1990

[51] Int. Cl.⁵ H04N 5/30

[52] U.S. Cl. 358/209; 358/140; 358/93; 358/903

[58] Field of Search 358/903, 909, 209, 217; 364/521, 900, 200; 340/723, 724; 382/56

[56] References Cited

U.S. PATENT DOCUMENTS

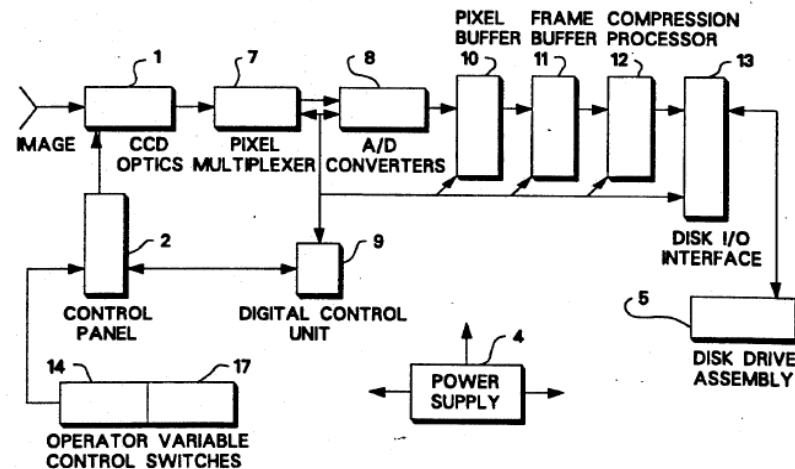
4,074,324	2/1978	Barrett	358/296
4,131,919	12/1978	Lloyd et al.	360/9
4,302,776	11/1981	Taylor	358/160
4,456,931	6/1984	Toyoda et al.	358/335
4,571,638	2/1986	Schneider et al.	359/293
4,614,977	4/1986	Kawahara et al.	358/260
4,758,883	7/1988	Kawahara et al.	358/44
4,803,554	2/1989	Pape	358/209
4,829,383	5/1989	Harase et al.	358/229
4,837,628	6/1989	Sasaki	358/209
4,847,677	7/1989	Music et al.	358/13
4,903,132	2/1990	Yamawaki	358/209
4,905,092	2/1990	Koshiishi	358/296
4,963,986	10/1990	Fukutama et al.	358/228
4,972,266	11/1990	Tani	358/213.19

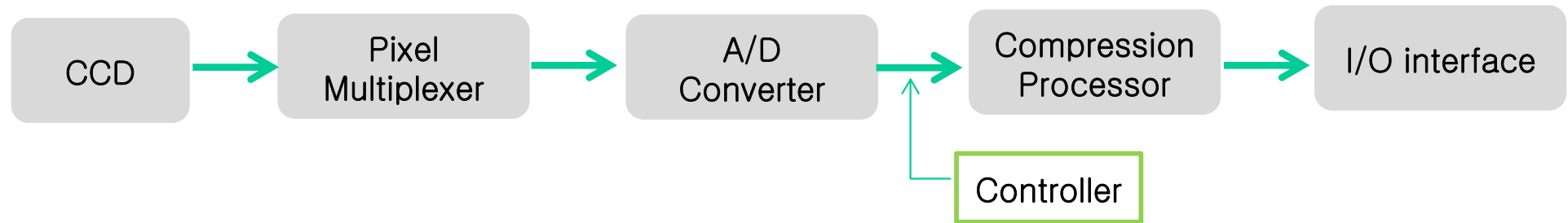
Primary Examiner—David K. Moore
Assistant Examiner—Tuan V. Ho
Attorney, Agent, or Firm—Paul W. Fish

[57] ABSTRACT

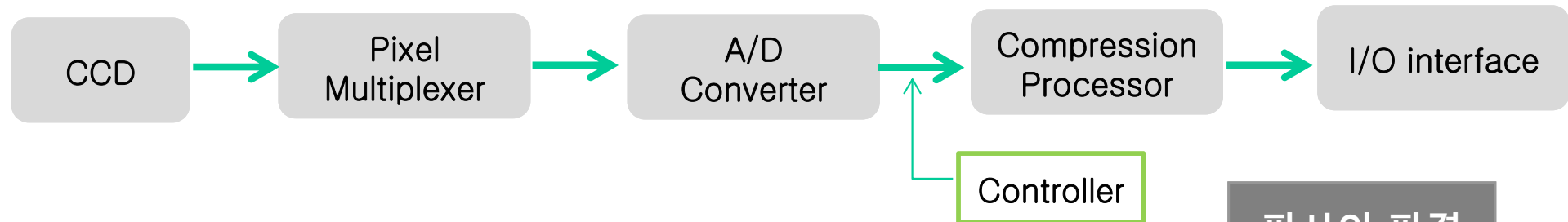
An electronic still camera comprising a lens, shutter, and exposure control system, a focus and range control circuit, a solid state imaging device incorporating a Charge Couple Device (CCD) through which an image is focused, a digital control unit through which timing and control of an image for electronic processing is accomplished, an Analog-to-Digital (A/D) converter circuit to convert the analog picture signals into their digital equivalents, a pixel buffer for collecting a complete row of an image's digital equivalent, a frame buffer for collecting all rows of an image's digital equivalent, and a selectively adjustable digital image compression and decompression algorithm that compresses the size of a digital image and selectively formats the compressed digital image to a compatible format for either the IBM Personal Computer and related architectures or the Apple Macintosh PC architecture as selected by the operator so that the digital image can be directly read into most word processing, desktop publishing, and data base software packages including means for executing the appropriate selected decompression algorithm; and a memory input/output interface that provides both temporary storage of the digital image and controls the transmission and interface with a standard Personal Computer (PC) memory storage device such as a digital diskette. The digital diskette is removable inserted into the housing of the camera prior top use in recording digital image data.

18 Claims, 11 Drawing Sheets

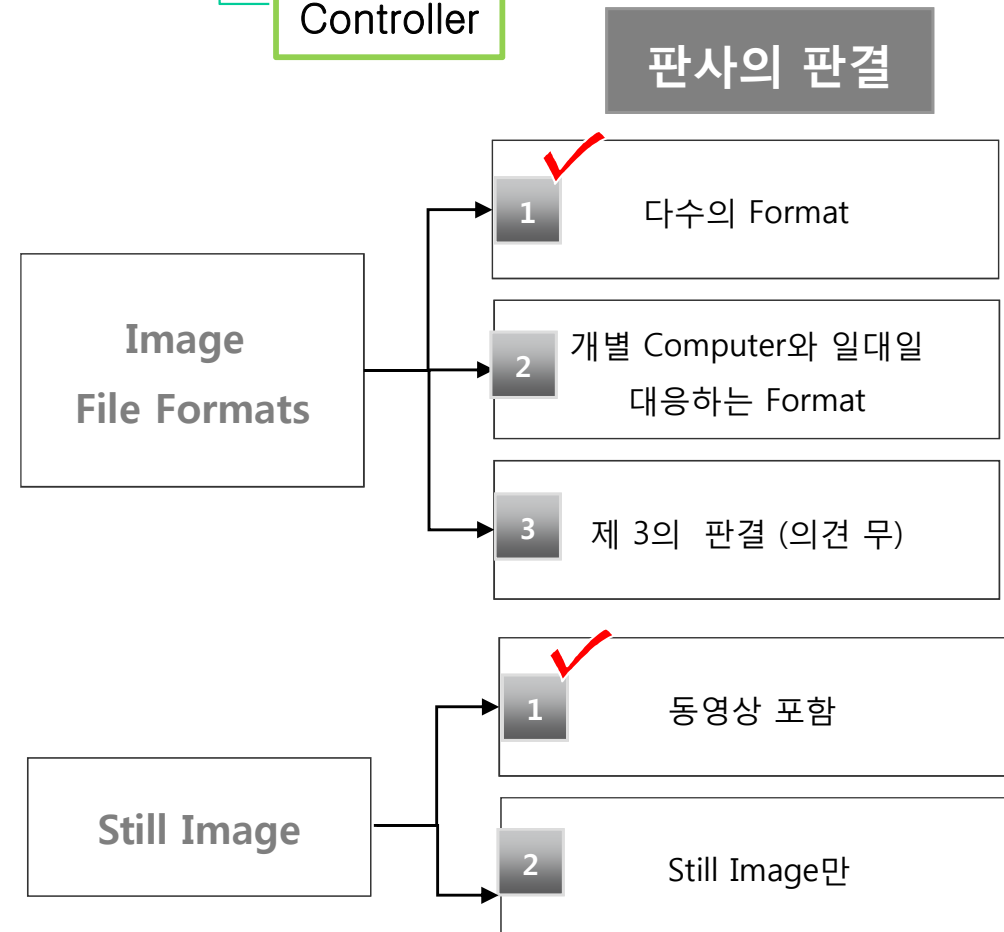




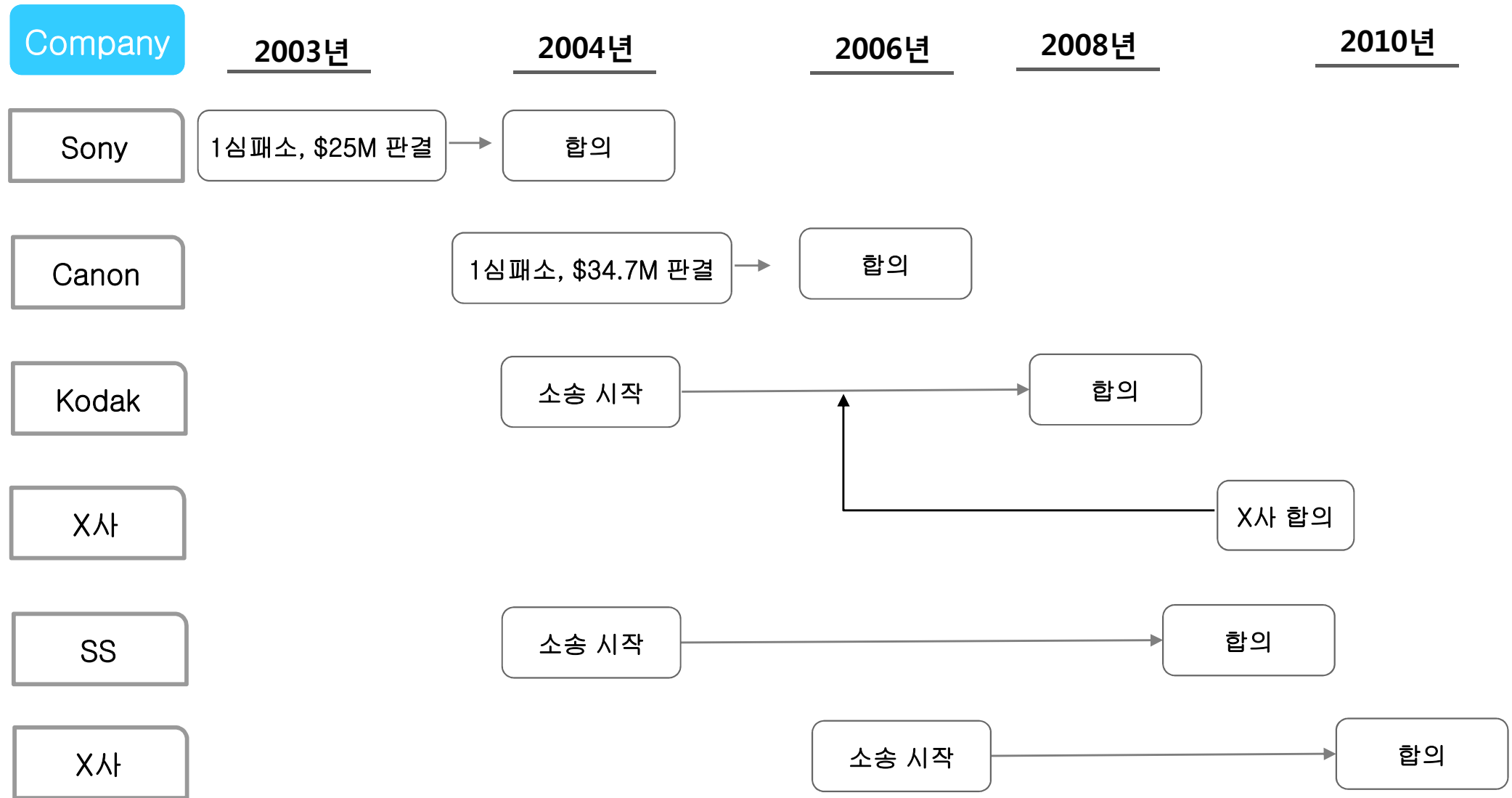
권리범위 Issue 사항



Roberts et al. explicitly state that switch 17 on the control logic panel of figure 6 is provided for allowing a user to select between image file formats (PICT II, GIFF, etc.) for formatting a compressed digital image into a selected file format, wherein the image file formats provided for selection (PICT II or GIFF) are in one-to-one correspondence with a particular type of computer system (Apple Macintosh or IBM PC, respectively) In other words, Roberts et al. DO NOT provide selecting between various sub-species on the same computer species Roberts et al.



소송 및 라이선스



소송 및 라이선스

Other Companies

Panasonic

Minolta

Kyocera

Sanyo

JVC

Seiko Epson

Pentax

Nikon

Casio

Motorola

company	Products	Royalty Rate	Revenue	Damage	Total Damage
Sony	'010 Patent claim 1	0.8%	\$3,010M	\$5M	\$25M
	other Claims			\$20M	
Canon	camera	1.8%	\$1,876M	\$33.8M	\$34.7M
	camcoder	0.5%	\$191M	\$0.9M	
Fuji	camera	0.5%	\$600M	\$3M	\$3M

소송 및 라이선스

Fuji Film

2003년

소송 시작

2004년

침해 판결

2005년

JMOL Deny

2006년

Stay

2008년

1심 판결
(지급판결)

2009년

항소

2011년

승소

판사의 판결

비침해

Image
File Formats

1

다수의 Format

2

✓ 개별 Computer와 일대일
대응하는 Format

3

제 3의 판결 (의견 무)

Still Image

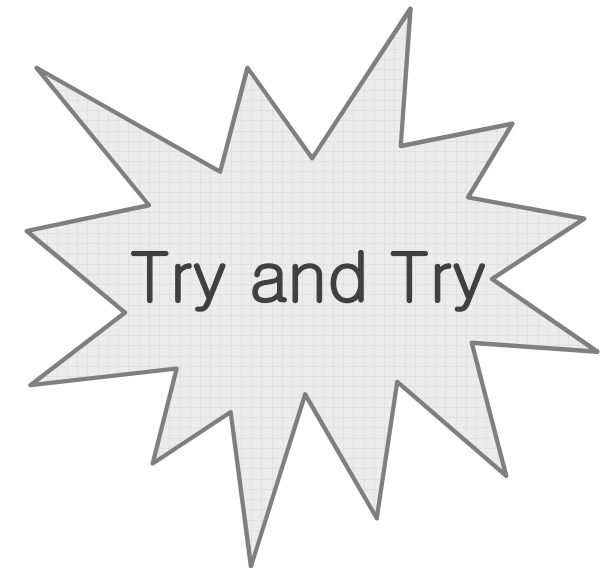
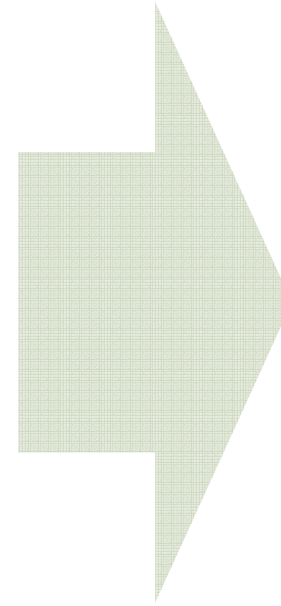
1

동영상 포함

2

✓ Still Image만

기술(특허)이전 시사점



Any Questions? Thank You!

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