EXHIBIT F

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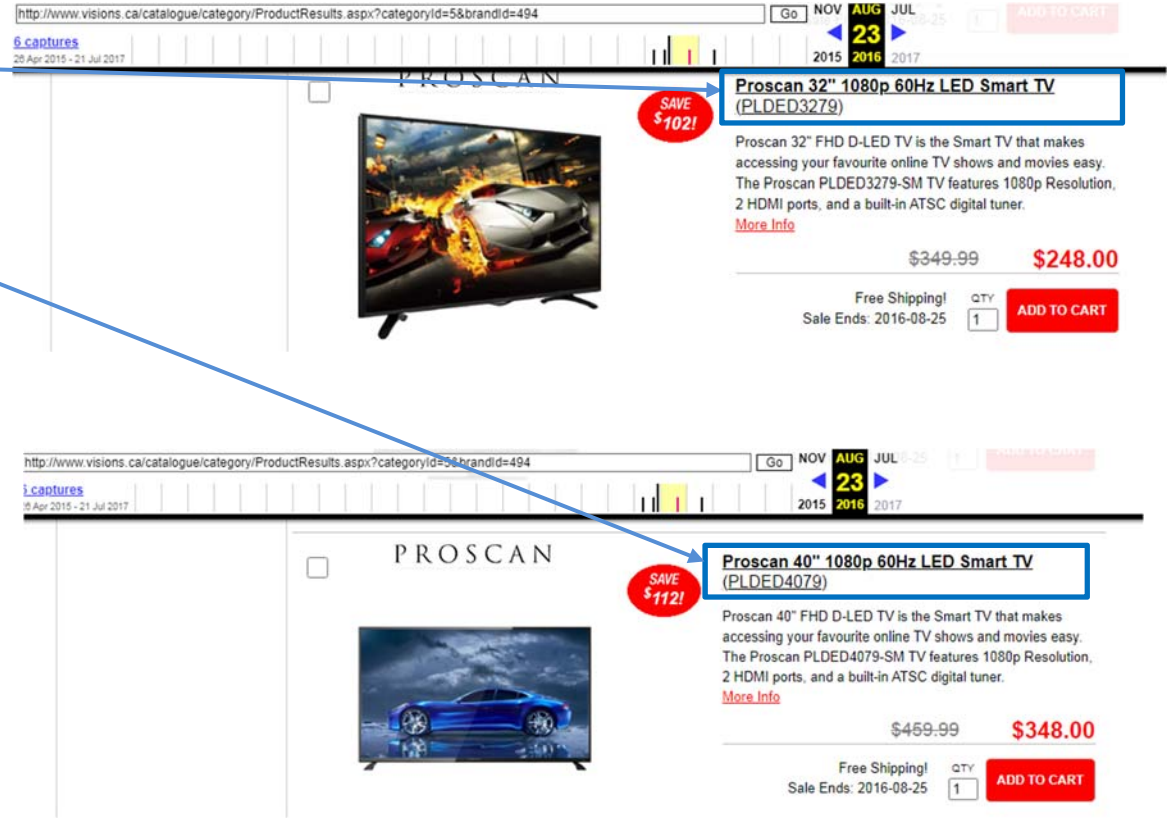
CLAIM CHART FOR US PATENT NO 5,999,220 as applied to ProScan HDTVs and related models

tent Claim anguage	Support from Spec	Claim Interpretation	Application to ProScan HDTVs
nulti-format video tion system d for use display , comprising:	Abstract: "An audio/video production system facilitates professional quality image manipulation and editing. A program input may be translated into any of a variety of graphics or television formats, including NTSC, PAL, SECAM and HDTV, and stored as data-compressed images, using any of several commercially available methods such as Motion JPEG, MPEG, etc."	A system capable of outputting A/V content in multiple formats. The system either includes a built-in display or can send a video output signal to an external display	The ProScan family of Smart HDTVs are video apparatus capable of receiving streaming media input via a network connection. ProScan Smart HDTVs have been available since 2016.  Source: https://web.archive.org/web/20160823103851/http://www.visions.ca:80/catalogue/category/ProductResults.aspx?categoryId=5&brandId=494 ProScan Smart TVs support receiving input video content via Internet streaming. The input format of the content depends on the source, but all streamed content is compressed (all video codecs use compression).

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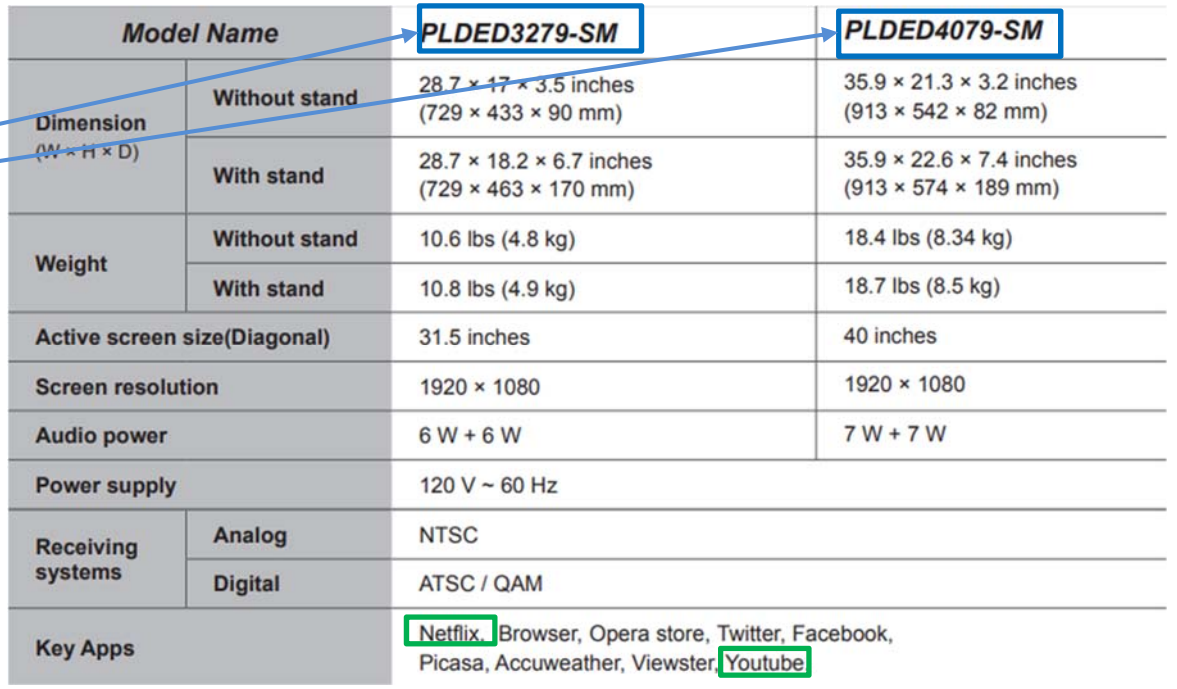
ulti-format ideo tion system d for use display , comprising:			

Model Name		PLDED3279-SM	PLDED4079-SM
Dimension (W × H × D)	Without stand	28.7 × 17 × 3.5 inches (729 × 433 × 90 mm)	35.9 × 21.3 × 3.2 inches (913 × 542 × 82 mm)
	With stand	28.7 × 18.2 × 6.7 inches (729 × 463 × 170 mm)	35.9 × 22.6 × 7.4 inches (913 × 574 × 189 mm)
Weight	Without stand	10.6 lbs (4.8 kg)	18.4 lbs (8.34 kg)
	With stand	10.8 lbs (4.9 kg)	18.7 lbs (8.5 kg)
Active screen size(Diagonal)		31.5 inches	40 inches
Screen resolution		1920 × 1080	1920 × 1080
Audio power		6 W + 6 W	7 W + 7 W
Power supply		120 V ~ 60 Hz	
Receiving systems	Analog	NTSC	
	Digital	ATSC / QAM	
Key Apps		Netflix, Browser, Opera store, Twitter, Facebook, Picasa, Accuweather, Viewster, Youtube	

Source: Proscan 40" 1080p 60Hz LED Smart TV (PLDED4079) User's Manual

http://legacy.curtisint.com/html/custservice/manuals/PRO_PLDED4079-SM_EN.PDF

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ut to receive al entative of io/video m in one of a y of display s;	"The image dimensions chosen allow the use of conventional CCD-type cameras, but the use of digital processing directly through the entire signal chain is preferred, and this is implemented by replacing the typical analog RGB processing circuitry with fully digital circuitry." Col. 3, lines 47-51 "In the alternative, the a signal representative of an audio/video program may already be stored in a previously processed format, such as compression: Images are recorded by writing the digital data to storage devices employing removable hard-disk drives, disk drives with removable media, optical or magneto-optical based drives, tape-based drives, or semiconductor-based memory devices, preferably in compressed-data form." Col. 3, lines 53-58	An input to receive an A/V signal (either separate signals or combined) in one of multiple display formats. The input A/V signal may either be a raw A/V signal, or a processed signal that has been converted from a raw signal to a video format.	

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Screen resolution		1920 × 1080	1920 × 1080
Audio power		6 W + 6 W	7 W + 7 W
Power supply		120 V ~ 60 Hz	
Receiving systems	Analog	NTSC	
	Digital	ATSC / QAM	
Key Apps		Netflix, Browser, Opera store, Twitter, Facebook, Picasa, Accuweather, Viewster, Youtube.	
Power consumption		50W	70W
Ports		2 HDMI ports, 1 USB port, LAN port for Ethernet, 1 Digital Audio output, 1 RF in-put, 1 Earphone Audio output, 1 RCA composite combine with component Video input, 1 left/right Audio input for composite, 1 DVI audio input.	
Component Input		480 I / 60 Hz, 480 P / 60 Hz, 720 P / 60 Hz, 1080 I / 60 Hz, 1080 P / 60 Hz	
HDMI Input		RGB / 60 Hz (640×480, 800×600, 1024×768), YUV / 60 Hz (480 I, 480 P, 720 P, 1080 I, 1080 P)	

Source: Proscan 40" 1080p 60Hz LED Smart TV (PLDED4079) User's Manual

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			Network Function **NOTICE** To access Internet streaming video services, please note the follow requirements. 1. Use of Internet services requires a working broadband Internet connection (1 to 2 Mbps for SD video, 2.25 to 4.5 Mbps for HD video and 4.5 to 9 Mbps for 1080p and 3D video.). **Technical overview** The terms "tuner" and "receiver" are used loosely, and it is perhaps more appropriately called an ATSC receiver, with the tuner being part of the receiver (see Metonymy). The receiver generates the audio and video (AV) signals needed for television, and performs the following tasks: demodulation; error correction; MPEG transport stream demultiplexing; decompression; AV synchronization; and media reformatting to match what is optimal input for one's TV. Examples of media reformatting include: interlace to progressive scan or vice versa; picture resolutions; aspect ratio conversions (16:9 to or from 4:3); frame rate conversion; and image scaling. Zooming is an example of resolution change. It is commonly used to convert a low-resolution picture to a high-resolution display. This lets the user eliminate letterboxing or pillarboxing by stretching or cropping the picture. Some ATSC receivers, mostly those in HDTV TV sets, will stretch automatically, either by detecting black bars or by reading the Active Format Descriptor (AFD). ***From: Wikipedia article, "ATSC Tuner"***

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