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Execution Date: August 28, 2006

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1209 Orange Street

City: Wilmington

State/Prov.: DE

Country: USA

ZIP: 19801

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

6,633,609

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Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

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6. Total number of applications and patents involved:

1

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PATENT

REEL: 018720 FRAME: 0114

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Assignor further agrees to and hereby does sell, assign, transfer, and convey unto Assignee all rights: (i) in and to causes of action and enforcement rights for the Patents including rights to pursue damages, injunctive relief and other remedies for past and future infringement thereof, and (ii) to apply in any or all countries of the world for patents, certificates of invention or other governmental grants for the inventions described in the Patents, including without limitation the right to make any new application or applications for any part or parts of the subject matter of any of the patents together with all rights under the Paris Convention for the protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding. Assignor also authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.

In Witness Whereof, this Assignment of Patent Rights is executed at Santa Clara, CA
on August 28, 2006.

ASSIGNOR

By: David Buncy
Printed/Typed Name

Title: Chief Patent Counsel

[Signature]
Signature

SCHEDULE A
Transferred Patents

Issued US Patents

Pat. No.	Intel Matter	Status	Title
4965752	P0737	ISSUED	Spatial transformation of node points in computer graphics using vector differences between their spatial coordinates
5436666	P1808	ISSUED	Limited-domain motion estimation/compensation for video encoding/decoding
5526295	P2698	ISSUED	Efficient block comparisons for motion estimation
5550595	P2712	ISSUED	Apparatus and method for motion estimation with enhanced camera interface
5606691	P4313	ISSUED	Method of searching a database using selected criterion having implicit logical operation
5671411	P4314X	ISSUED	Method of searching an audio/visual programming database using selected criterion having implicit logical operation
5737448	P2275	ISSUED	Method and apparatus for low bit rate image compression
5737637	P2876	ISSUED	Two-measure block classification scheme for encoding video images
5751231	P3620	ISSUED	Method and apparatus for run-length encoding using special long-run codes
5774191	P3628	ISSUED	Chroma-key color range determination
5815670	P3258	ISSUED	Adaptive block classification scheme for encoding video images
5832234	P3776X	ISSUED	Encoding images using block-based macroblock-level statistics
5852664	P3150	ISSUED	Decode access control for encoded multimedia signals
5886744	P3252	ISSUED	Method and apparatus for filtering jitter from motion estimation video data
5890162	P4064	ISSUED	Remote streaming of semantics for varied multimedia output
5905862	P3650	ISSUED	Automatic web site registration with multiple search engines
5920659	P3624	ISSUED	Method and apparatus for scaling image data having associated transparency data
5978737	P3896	ISSUED	Method and apparatus for hazard detection and distraction avoidance for a vehicle
5987150	P3649	ISSUED	Video capturing using on-screen graphics
6020926	P2699C	ISSUED	Motion estimation block matching speedup
6021487	P3804	ISSUED	Method and apparatus for providing a signed integer divide by a power of two
6023241	P6501	ISSUED	Digital multimedia navigation player/recorder
6038320	P3753	ISSUED	Computer Security Key
6055568	P4107	ISSUED	Method and apparatus for dynamically configuring a decentralized network of computers
6064976	P5308	ISSUED	Scheduling system
6106395	P4266	ISSUED	Adaptive gaming behavior based on player profiling
6184918	P4498	ISSUED	Method and apparatus for monitoring viewing of broadcast data
6226016	P5328	ISSUED	Method of automatically producing sketches and cartoon images from movies
6226444	P4497	ISSUED	Method and apparatus for recording program data without commercials
6263020	P4041	ISSUED	Method and apparatus for bit rate control in a digital video system
6271854	P4860	ISSUED	Method and apparatus for facilitating navigation in three-dimensional graphic scenes
6311141	P5300	ISSUED	Controlling a physical Relationship between a display and a viewer of the display
6324694	P4823	ISSUED	Method and apparatus for providing subsidiary data synchronous to primary content data
6330718	P6483	ISSUED	Consumption distance based customized rendering of entertainment programming
6359656	P4066	ISSUED	In-band synchronization of data streams with audio/video streams
6384820	P4861	ISSUED	Method and apparatus for automated dynamics of three-dimensional graphics scenes for enhanced 3D visualization
6392652	P6040	ISSUED	Method and apparatus for delivering animation over the internet
6414994	P4037	ISSUED	Method and apparatus for generating smooth residuals in block motion compensated transform-based video coders
6422775	P10285	ISSUED	Digital Messaging Pen
6463272	P6495	ISSUED	Location reporting pager

6483987	P4497D	ISSUED	Method and apparatus for recording program data without commercials
6542168	P6040C	ISSUED	Delivering animation over the internet
6618046	P9330	ISSUED	System and method for estimating the rendering cost for images
6633609	P4041X	ISSUED	Method And Apparatus For Bit Rate Control In A Digital Video Environment For Arbitrary Bandwidth
6636633	P6576	ISSUED	Rendering of photorealistic computer graphics images
6693637	P12922	ISSUED	Method and apparatus for determining bins to be updated for polygons, including lines
6700999	P7967	ISSUED	System, method, and apparatus for multiple face tracking
6728964	P5394	ISSUED	Monitoring function
6741165	P6903	ISSUED	Using an imaging device for security/emergency applications
6747653	P11485	ISSUED	Efficient object storage for zone rendering
6782130	P6576C	ISSUED	Rendering of photorealistic computer graphics images
6897857	P9330C	ISSUED	System And Method For Estimating The Rendering Cost For Images
6943825	P13482	ISSUED	Method and apparatus for associating multimedia information with location information
6985743	P10401X	ISSUED	Method and apparatus for an independent positioning system and augmentation of GPS

Pending US Applications

Serial No.	Intel Matter	Status	Title
09/752,506	P10401	PENDING	Method and apparatus for an independent positioning system and augmentation of GPS
10/848,018	P11485C	PENDING	Efficient Object Storage For Zone Rendering
10/621,102	P4041XC	PENDING	Method And Apparatus For Bit Rate Control In A Digital Video Environment For Arbitrary Bandwidth
09/910,656	P4823C	PENDING	Method And Apparatus For Providing Subsidiary Data Synchronous To Primary Content Data

Issued Foreign Patents

Patent No.	Intel Matter	Country	Status	Title
0745306	P2712GB	Great Britain (via EPO)	Issued	Interface For Video Camera And Intra/Inter Frame Encoder
0745306	P2712FR	France (via EPO)	Issued	Interface For Video Camera And Intra/Inter Frame Encoder
0745306	P2712DE	Germany (via EPO)	Issued	Interface For Video Camera And Intra/Inter Frame Encoder
2231234	P6483RU	Russian Federation	Issued	Consumption Distance Based Customized Rendering Of Entertainment

Pending Foreign Applications

App. No.	Intel Matter	Country	Status	Title
App. 98964188.1 Pub No. 1046137	P4860EP	European Procedure	Allowed	Method And Apparatus For Facilitating Navigation In Three-Dimensional Graphic Scenes
App. 98964188.1	P4860GB	Great	Filed - waiting for	Method And Apparatus For Facilitating Navigation In Three-Dimensional Graphic Scenes

Pub No. 1046137		Britain	validation	
App. 98964188.1 Pub No. 1046137	P4860DE	Germany	Filed -- waiting for validation	Method And Apparatus For Facilitating Navigation In Three-Dimensional Graphic Scenes
App. 98964188.1 Pub No. 1046137	P4860FR	France	Filed -- waiting for validation	Method And Apparatus For Facilitating Navigation In Three-Dimensional Graphic Scenes
App. 98964908.2 Pub No. 1055179	P4861EP	EPO	Pending	Method And Apparatus For Automated Dynamics Of 3-Dimensional Graphics Scenes For Enhanced 3d Visualization
10-2001- 7005355	P6483KR	South Korea	Pending	Consumption Distance Based Customized Rendering Of Entertainment Programming
99963849.7	P6483EP	European Patent Office	Pending	Consumption Distance Based Customized Rendering Of Entertainment Programming
Pub. No. 2003123114	P10401RU	Russia	Lapsed OR Lapsing*	Method and apparatus for an independent positioning system and augmentation of GPS
Pub. No: 1346235	P10401EP	European Patent Office	Lapsed OR Lapsing*	Method and apparatus for an independent positioning system and augmentation of GPS
200303214-1	P10401SG	Singapore	Lapsed OR Lapsing*	Method and apparatus for an independent positioning system and augmentation of GPS
04100811.3	P10401HK	Hong Kong	Lapsed OR Lapsing*	Method and apparatus for an independent positioning system and augmentation of GPS

* Company may be able to prevent final lapse of these patents, but Intel will bear no responsibility if these patents do ultimately lapse.

PATENT

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