CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS
(NOTES omitted)

INSTRUMENTS

G06 COMPUTING; CALCULATING OR COUNTING
(NOTES omitted)

G06T IMAGE DATA PROCESSING OR GENERATION, IN GENERAL

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

   G06T 1/40   covered by   G06T 1/20

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	**General purpose image data processing**
1/0007	. {Image acquisition}
1/0014	. {Image feed-back for automatic industrial control, e.g. robot with camera (robots B25J 19/023)}
1/0021	. {Image watermarking}
1/0028	. . {Adaptive watermarking, e.g. Human Visual System [HVS]-based watermarking}
1/0035	. . . {Output size adaptive watermarking}
1/0042	. . {Fragile watermarking, e.g. so as to detect tampering}
1/005	. . {Robust watermarking, e.g. average attack or collusion attack resistant}
1/0057	. . . {Compression invariant watermarking}
1/0064	. . . {Geometric transfor invariant watermarking, e.g. affine transform invariant}
1/0071	. . . {using multiple or alternating watermarks}
1/0078	. . . {using multiple thresholds}
1/0085	. . {Time domain based watermarking, e.g. watermarks spread over several images}
1/0092	. . {Payload characteristic determination in a watermarking scheme, e.g. number of bits to be embedded}
1/20	. Processor architectures; Processor configuration, e.g. pipelining
1/60	. Memory management
3/00	**Geometric image transformations in the plane of the image**
3/02	. Affine transformations (for image registration G06T 3/147; for image mosaicing G06T 3/4038)
3/04	. Context-preserving transformations, e.g. by using an importance map (panospheric to cylindrical image transformations G06T 3/12)
3/047	. . Fisheye or wide-angle transformations
3/053	. . Detail-in-context presentations (fisheye or wide-angle transformations G06T 3/047)
3/06	. Topological mapping of higher dimensional structures onto lower dimensional surfaces
3/067	. . Reshaping or unfolding 3D tree structures onto 2D planes
3/073	. . Transforming surfaces of revolution to planar images, e.g. cylindrical surfaces to planar images

3/08	. Projecting images onto non-planar surfaces, e.g. geodetic screens
3/10	. Selection of transformation methods according to the characteristics of the input images
3/12	. Panospheric to cylindrical image transformations
3/14	. Transformations for image registration, e.g. adjusting or mapping for alignment of images
3/147	. . using affine transformations
3/153	. . using elastic snapping
3/16	. Spatio-temporal transformations, e.g. video cubism
3/18	. Image warping, e.g. rearranging pixels individually
3/20	. Linear translation of whole images or parts thereof, e.g. panning
3/40	. Scaling of whole images or parts thereof, e.g. expanding or contracting
3/4007	. . based on interpolation, e.g. bilinear interpolation (image demosaicing G06T 3/4015; edge-driven or edge-based scaling G06T 3/403)
3/4015	. . Image demosaicing, e.g. colour filter arrays [CFA] or Bayer patterns
3/4023	. . based on decimating pixels or lines of pixels; based on inserting pixels or lines of pixels
3/403	. . Edge-driven scaling; Edge-based scaling
3/4038	. . Image mosaicing, e.g. composing plane images from plane sub-images
3/4046	. . using neural networks
3/4053	. . based on super-resolution, i.e. the output image resolution being higher than the sensor resolution
3/4061	. . . by injecting details from different spectral ranges
3/4069	. . . by subpixel displacements
3/4076	. . . using the original low-resolution images to iteratively correct the high-resolution images
3/4084	. . in the transform domain, e.g. fast Fourier transform [FFT] domain scaling
3/4092	. . Image resolution transcoding, e.g. by using client-server architectures
3/60	. Rotation of whole images or parts thereof
3/602	. . by block rotation, e.g. by recursive reversal or rotation

3/604	. .	using coordinate rotation digital computer [CORDIC] devices
3/606	. .	by memory addressing or mapping
3/608	. .	by skew deformation, e.g. two-pass or three-pass rotation

5/00 **Image enhancement or restoration**

> **WARNING**
>
> Group G06T 5/00 is impacted by reclassification into group G06T 5/60.
>
> Groups G06T 5/00 and G06T 5/60 should be considered in order to perform a complete search.

5/10	.	using non-spatial domain filtering
5/20	.	using local operators
5/30	. .	Erosion or dilatation, e.g. thinning
5/40	.	using histogram techniques
5/50	.	using two or more images, e.g. averaging or subtraction
5/60	.	using machine learning, e.g. neural networks

> **WARNING**
>
> Group G06T 5/60 is incomplete pending reclassification of documents from group G06T 5/00.
>
> Groups G06T 5/00 and G06T 5/60 should be considered in order to perform a complete search.

5/70	.	Denoising; Smoothing
5/73	.	Deblurring; Sharpening
5/75	. .	Unsharp masking
5/77	.	Retouching; Inpainting; Scratch removal
5/80	.	Geometric correction
5/90	.	Dynamic range modification of images or parts thereof
5/92	. .	based on global image properties
5/94	. .	based on local image properties, e.g. for local contrast enhancement

7/00 **Image analysis**

7/0002	.	{Inspection of images, e.g. flaw detection}
7/0004	. .	{Industrial image inspection}
7/0006	. . .	{using a design-rule based approach}
7/0008	. . .	{checking presence/absence}
7/001	. . .	{using an image reference approach}
7/0012	. .	{Biomedical image inspection}
7/0014	. . .	{using an image reference approach}
7/0016	. . . .	{involving temporal comparison}
7/10	.	Segmentation; Edge detection (motion-based segmentation G06T 7/215)

> **NOTE**
>
> When classifying in groups G06T 7/11 - G06T 7/13, classification is also made in relevant groups of G06T 7/136 - G06T 7/194.

7/11	. .	Region-based segmentation
7/12	. .	Edge-based segmentation
7/13	. .	Edge detection
7/136	. .	involving thresholding
7/143	. .	involving probabilistic approaches, e.g. Markov random field [MRF] modelling
7/149	. .	involving deformable models, e.g. active contour models
7/155	. .	involving morphological operators
7/162	. .	involving graph-based methods
7/168	. .	involving transform domain methods
7/174	. .	involving the use of two or more images
7/181	. .	involving edge growing; involving edge linking
7/187	. .	involving region growing; involving region merging; involving connected component labelling
7/194	. .	involving foreground-background segmentation
7/20	.	Analysis of motion (motion estimation for coding, decoding, compressing or decompressing digital video signals H04N 19/43, H04N 19/51)
7/207	. .	for motion estimation over a hierarchy of resolutions (multi-resolution motion estimation or hierarchical motion estimation for coding, decoding, compressing or decompressing digital video signals H04N 19/53)
7/215	. .	Motion-based segmentation
7/223	. .	using block-matching
7/231	. . .	using full search
7/238	. . .	using non-full search, e.g. three-step search
7/246	. .	using feature-based methods, e.g. the tracking of corners or segments
7/248	. . .	{involving reference images or patches}
7/251	. . .	{involving models}
7/254	. .	involving subtraction of images
7/262	. .	using transform domain methods, e.g. Fourier domain methods
7/269	. .	using gradient-based methods
7/277	. .	involving stochastic approaches, e.g. using Kalman filters
7/285	. .	using a sequence of stereo image pairs
7/292	. .	Multi-camera tracking
7/30	.	Determination of transform parameters for the alignment of images, i.e. image registration
7/32	. .	using correlation-based methods
7/33	. .	using feature-based methods
7/337	. . .	{involving reference images or patches}
7/344	. . .	{involving models}
7/35	. .	using statistical methods
7/37	. .	using transform domain methods
7/38	. .	Registration of image sequences
7/40	.	Analysis of texture (depth or shape recovery from texture G06T 7/529)
7/41	. .	based on statistical description of texture
7/42	. . .	using transform domain methods
7/44	. . .	using image operators, e.g. filters, edge density metrics or local histograms
7/45	. . .	using co-occurrence matrix computation
7/46	. . .	using random fields
7/48	. . .	using fractals
7/49	. .	based on structural texture description, e.g. using primitives or placement rules
7/50	.	Depth or shape recovery
7/507	. .	from shading (G06T 7/586 takes precedence)
7/514	. .	from specularities
7/521	. .	from laser ranging, e.g. using interferometry; from the projection of structured light
7/529	. .	from texture
7/536	. .	from perspective effects, e.g. by using vanishing points

7/543	. .	from line drawings
7/55	. .	from multiple images
7/557	. . .	from light fields, e.g. from plenoptic cameras
7/564	. . .	from contours
7/571	. . .	from focus
7/579	. . .	from motion
7/586	. . .	from multiple light sources, e.g. photometric stereo
7/593	. . .	from stereo images
7/596	. . . .	{from three or more stereo images}
7/60	.	Analysis of geometric attributes
7/62	. .	of area, perimeter, diameter or volume
7/64	. .	of convexity or concavity
7/66	. .	of image moments or centre of gravity
7/68	. .	of symmetry
7/70	.	Determining position or orientation of objects or cameras (camera calibration G06T 7/80)
7/73	. .	using feature-based methods
7/74	. . .	{involving reference images or patches}
7/75	. . .	{involving models}
7/77	. .	using statistical methods
7/80	.	Analysis of captured images to determine intrinsic or extrinsic camera parameters, i.e. camera calibration
7/85	. .	{Stereo camera calibration}
7/90	.	Determination of colour characteristics
7/97	.	{Determining parameters from multiple pictures (depth or shape recovery from multiple images G06T 7/55; stereo camera calibration G06T 7/85)}

9/00		**Image coding** (bandwidth or redundancy reduction for static pictures H04N 1/41; coding or decoding of static colour picture signals H04N 1/64; methods or arrangements for coding, decoding, compressing or decompressing digital video signals H04N 19/00)
9/001	.	{Model-based coding, e.g. wire frame}
9/002	.	{using neural networks}
9/004	.	{Predictors, e.g. intraframe, interframe coding}
9/005	.	{Statistical coding, e.g. Huffman, run length coding}
9/007	.	{Transform coding, e.g. discrete cosine transform}
9/008	.	{Vector quantisation}
9/20	.	Contour coding, e.g. using detection of edges
9/40	.	Tree coding, e.g. quadtree, octree

11/00		**2D [Two Dimensional] image generation**
11/001	.	{Texturing; Colouring; Generation of texture or colour (inpainting G06T 5/77)}
11/003	.	{Reconstruction from projections, e.g. tomography}
11/005	. .	{Specific pre-processing for tomographic reconstruction, e.g. calibration, source positioning, rebinning, scatter correction, retrospective gating}
11/006	. .	{Inverse problem, transformation from projection-space into object-space, e.g. transform methods, back-projection, algebraic methods}
11/008	. .	{Specific post-processing after tomographic reconstruction, e.g. voxelisation, metal artifact correction}
11/20	.	Drawing from basic elements, e.g. lines or circles
11/203	. .	{Drawing of straight lines or curves}
11/206	. .	{Drawing of charts or graphs}
11/40	.	Filling a planar surface by adding surface attributes, e.g. colour or texture

11/60	.	Editing figures and text; Combining figures or text
11/80	.	Creating or modifying a manually drawn or painted image using a manual input device, e.g. mouse, light pen, direction keys on keyboard

13/00		**Animation**
13/20	.	3D [Three Dimensional] animation
13/205	. .	{driven by audio data}
13/40	. .	of characters, e.g. humans, animals or virtual beings
13/60	. .	of natural phenomena, e.g. rain, snow, water or plants
13/80	.	2D [Two Dimensional] animation, e.g. using sprites

15/00		**3D [Three Dimensional] image rendering**
15/005	.	{General purpose rendering architectures}
15/02	.	Non-photorealistic rendering
15/04	.	Texture mapping
15/06	.	Ray-tracing
15/08	.	Volume rendering
15/10	.	Geometric effects
15/20	. .	Perspective computation
15/205	. . .	{Image-based rendering}
15/30	. .	Clipping
15/40	. .	Hidden part removal
15/405	. . .	{using Z-buffer}
15/50	.	Lighting effects
15/503	. .	{Blending, e.g. for anti-aliasing}
15/506	. .	{Illumination models}
15/55	. .	Radiosity
15/60	. .	Shadow generation
15/80	. .	Shading
15/83	. . .	Phong shading
15/87	. . .	Gouraud shading

17/00		**Three dimensional [3D] modelling, e.g. data description of 3D objects**
17/005	.	{Tree description, e.g. octree, quadtree}
17/05	.	Geographic models
17/10	.	Constructive solid geometry [CSG] using solid primitives, e.g. cylinders, cubes
17/20	.	Finite element generation, e.g. wire-frame surface description, {tesselation}
17/205	. .	{Re-meshing}
17/30	.	Polynomial surface description

19/00		**Manipulating 3D models or images for computer graphics**
19/003	.	{Navigation within 3D models or images}
19/006	.	{Mixed reality (object pose determination, tracking or camera calibration for mixed reality G06T 7/00)}
19/20	.	Editing of 3D images, e.g. changing shapes or colours, aligning objects or positioning parts

2200/00		**Indexing scheme for image data processing or generation, in general**
2200/04	.	involving 3D image data
2200/08	.	involving all processing steps from image acquisition to 3D model generation
2200/12	.	involving antialiasing
2200/16	.	involving adaptation to the client's capabilities
2200/21	.	involving computational photography
2200/24	.	involving graphical user interfaces [GUIs]
2200/28	.	involving image processing hardware

2200/32	.	involving image mosaicing
2200/36	.	Review paper; Tutorial; Survey
2201/00		**General purpose image data processing**
2201/005	.	Image watermarking
2201/0051	. .	Embedding of the watermark in the spatial domain
2201/0052	. .	Embedding of the watermark in the frequency domain
2201/0053	. .	Embedding of the watermark in the coding stream, possibly without decoding; Embedding of the watermark in the compressed domain
2201/0061	. .	Embedding of the watermark in each block of the image, e.g. segmented watermarking
2201/0062	. .	Embedding of the watermark in text images, e.g. watermarking text documents using letter skew, letter distance or row distance
2201/0063	. .	in relation to collusion attacks, e.g. collusion attack resistant
2201/0064	. .	for copy protection or copy management, e.g. CGMS, copy only once, one-time copy
2201/0065	. .	Extraction of an embedded watermark; Reliable detection
2201/0081	. .	whereby both original and watermarked images are required at decoder, e.g. destination-based, non-blind, non-oblivious
2201/0083	. .	whereby only watermarked image required at decoder, e.g. source-based, blind, oblivious
2201/0201	. .	whereby only tamper or origin are detected and no embedding takes place
2201/0202	. .	whereby the quality of watermarked images is measured; Measuring quality or performance of watermarking methods; Balancing between quality and robustness
2201/0203	. .	whereby the image with embedded watermark is reverted to the original condition before embedding, e.g. lossless, distortion-free or invertible watermarking
2201/0601	. .	whereby calibration information is embedded in the watermark, e.g. a grid, a scale, a list of transformations
2207/00		**Indexing scheme for image analysis or image enhancement**
2207/10	.	Image acquisition modality
2207/10004	. .	Still image; Photographic image
2207/10008	. . .	from scanner, fax or copier
2207/10012	. . .	Stereo images
2207/10016	. .	Video; Image sequence
2207/10021	. . .	Stereoscopic video; Stereoscopic image sequence
2207/10024	. .	Color image
2207/10028	. .	Range image; Depth image; 3D point clouds
2207/10032	. .	Satellite or aerial image; Remote sensing
2207/10036	. . .	Multispectral image; Hyperspectral image
2207/10041	. . .	Panchromatic image
2207/10044	. . .	Radar image
2207/10048	. .	Infrared image
2207/10052	. .	Images from lightfield camera
2207/10056	. .	Microscopic image
2207/10061	. . .	from scanning electron microscope
2207/10064	. .	Fluorescence image
2207/10068	. .	Endoscopic image
2207/10072	. .	Tomographic images

2207/10076	. . .	4D tomography; Time-sequential 3D tomography
2207/10081	. . .	Computed x-ray tomography [CT]
2207/10084	. . .	Hybrid tomography; Concurrent acquisition with multiple different tomographic modalities
2207/10088	. . .	Magnetic resonance imaging [MRI]
2207/10092	. . . .	Diffusion tensor magnetic resonance imaging [DTI]
2207/10096	. . . .	Dynamic contrast-enhanced magnetic resonance imaging [DCE-MRI]
2207/10101	. . .	Optical tomography; Optical coherence tomography [OCT]
2207/10104	. . .	Positron emission tomography [PET]
2207/10108	. . .	Single photon emission computed tomography [SPECT]
2207/10112	. . .	Digital tomosynthesis [DTS]
2207/10116	. .	X-ray image
2207/10121	. . .	Fluoroscopy
2207/10124	. . .	Digitally reconstructed radiograph [DRR]
2207/10128	. . .	Scintigraphy
2207/10132	. .	Ultrasound image
2207/10136	. . .	3D ultrasound image
2207/10141	. .	Special mode during image acquisition
2207/10144	. . .	Varying exposure
2207/10148	. . .	Varying focus
2207/10152	. . .	Varying illumination
2207/20	.	Special algorithmic details
2207/20004	. .	Adaptive image processing
2207/20008	. . .	Globally adaptive
2207/20012	. . .	Locally adaptive
2207/20016	. .	Hierarchical, coarse-to-fine, multiscale or multiresolution image processing; Pyramid transform
2207/20021	. .	Dividing image into blocks, subimages or windows
2207/20024	. .	Filtering details
2207/20028	. . .	Bilateral filtering
2207/20032	. . .	Median filtering
2207/20036	. .	Morphological image processing
2207/20041	. . .	Distance transform
2207/20044	. . .	Skeletonization; Medial axis transform
2207/20048	. .	Transform domain processing
2207/20052	. . .	Discrete cosine transform [DCT]
2207/20056	. . .	Discrete and fast Fourier transform, [DFT, FFT]
2207/20061	. . .	Hough transform
2207/20064	. . .	Wavelet transform [DWT]
2207/20068	. .	Projection on vertical or horizontal image axis
2207/20072	. .	Graph-based image processing
2207/20076	. .	Probabilistic image processing
2207/20081	. .	Training; Learning
2207/20084	. .	Artificial neural networks [ANN]
2207/20088	. .	Trinocular vision calculations; trifocal tensor
2207/20092	. .	Interactive image processing based on input by user
2207/20096	. . .	Interactive definition of curve of interest
2207/20101	. . .	Interactive definition of point of interest, landmark or seed
2207/20104	. . .	Interactive definition of region of interest [ROI]
2207/20108	. . .	Interactive selection of 2D slice in a 3D data set
2207/20112	. .	Image segmentation details

2207/20116	. . .	Active contour; Active surface; Snakes
2207/20121	. . .	Active appearance model [AAM]
2207/20124	. . .	Active shape model [ASM]
2207/20128	. . .	Atlas-based segmentation
2207/20132	. . .	Image cropping
2207/20152	. . .	Watershed segmentation
2207/20156	. . .	Automatic seed setting
2207/20161	. . .	Level set
2207/20164	. . .	Salient point detection; Corner detection
2207/20168	. . .	Radial search
2207/20172	. .	Image enhancement details
2207/20182	. . .	Noise reduction or smoothing in the temporal domain; Spatio-temporal filtering
2207/20192	. . .	Edge enhancement; Edge preservation
2207/20201	. . .	Motion blur correction
2207/20204	. . .	Removing film grain; Adding simulated film grain
2207/20208	. . .	High dynamic range [HDR] image processing
2207/20212	. .	Image combination
2207/20216	. . .	Image averaging
2207/20221	. . .	Image fusion; Image merging
2207/20224	. . .	Image subtraction
2207/20228	. .	Disparity calculation for image-based rendering
2207/30	.	Subject of image; Context of image processing
2207/30004	. .	Biomedical image processing
2207/30008	. . .	Bone
2207/30012	. . . .	Spine; Backbone
2207/30016	. . .	Brain
2207/30021	. . .	Catheter; Guide wire
2207/30024	. . .	Cell structures in vitro; Tissue sections in vitro
2207/30028	. . .	Colon; Small intestine
2207/30032	. . . .	Colon polyp
2207/30036	. . .	Dental; Teeth
2207/30041	. . .	Eye; Retina; Ophthalmic
2207/30044	. . .	Fetus; Embryo
2207/30048	. . .	Heart; Cardiac
2207/30052	. . .	Implant; Prosthesis
2207/30056	. . .	Liver; Hepatic
2207/30061	. . .	Lung
2207/30064	. . . .	Lung nodule
2207/30068	. . .	Mammography; Breast
2207/30072	. . .	Microarray; Biochip, DNA array; Well plate
2207/30076	. . .	Plethysmography
2207/30081	. . .	Prostate
2207/30084	. . .	Kidney; Renal
2207/30088	. . .	Skin; Dermal
2207/30092	. . .	Stomach; Gastric
2207/30096	. . .	Tumor; Lesion
2207/30101	. . .	Blood vessel; Artery; Vein; Vascular
2207/30104	. . . .	Vascular flow; Blood flow; Perfusion
2207/30108	. .	Industrial image inspection
2207/30112	. . .	Baggage; Luggage; Suitcase
2207/30116	. . .	Casting
2207/30121	. . .	CRT, LCD or plasma display
2207/30124	. . .	Fabrics; Textile; Paper
2207/30128	. . .	Food products
2207/30132	. . .	Masonry; Concrete
2207/30136	. . .	Metal
2207/30141	. . .	Printed circuit board [PCB]
2207/30144	. . .	Printing quality
2207/30148	. . .	Semiconductor; IC; Wafer

2207/30152	. . .	Solder
2207/30156	. . .	Vehicle coating
2207/30161	. . .	Wood; Lumber
2207/30164	. . .	Workpiece; Machine component
2207/30168	. .	Image quality inspection
2207/30172	. .	Centreline of tubular or elongated structure
2207/30176	. .	Document
2207/30181	. .	Earth observation
2207/30184	. . .	Infrastructure
2207/30188	. . .	Vegetation; Agriculture
2207/30192	. . .	Weather; Meteorology
2207/30196	. .	Human being; Person
2207/30201	. . .	Face
2207/30204	. .	Marker
2207/30208	. . .	Marker matrix
2207/30212	. .	Military
2207/30216	. .	Redeye defect
2207/30221	. .	Sports video; Sports image
2207/30224	. . .	Ball; Puck
2207/30228	. . .	Playing field
2207/30232	. .	Surveillance
2207/30236	. .	Traffic on road, railway or crossing
2207/30241	. .	Trajectory
2207/30242	. .	Counting objects in image
2207/30244	. .	Camera pose
2207/30248	. .	Vehicle exterior or interior
2207/30252	. . .	Vehicle exterior; Vicinity of vehicle
2207/30256	. . . .	Lane; Road marking
2207/30261	. . . .	Obstacle
2207/30264	. . . .	Parking
2207/30268	. . .	Vehicle interior

2210/00		**Indexing scheme for image generation or computer graphics**
2210/04	.	Architectural design, interior design
2210/08	.	Bandwidth reduction
2210/12	.	Bounding box
2210/16	.	Cloth
2210/21	.	Collision detection, intersection
2210/22	.	Cropping
2210/24	.	Fluid dynamics
2210/28	.	Force feedback
2210/32	.	Image data format
2210/36	.	Level of detail
2210/41	.	Medical
2210/44	.	Morphing
2210/52	.	Parallel processing
2210/56	.	Particle system, point based geometry or rendering
2210/61	.	Scene description
2210/62	.	Semi-transparency
2210/64	.	Weathering

2211/00	**Image generation**

G06T

2211/40	**.**	Computed tomography

> <u>WARNING</u>
>
> Group G06T 2211/40 is impacted by reclassification into groups G06T 2211/441, G06T 2211/444, G06T 2211/448, G06T 2211/452, G06T 2211/456, G06T 2211/461 and G06T 2211/464.
>
> All groups listed in this Warning should be considered in order to perform a complete search.

2211/404	**. .**	Angiography
2211/408	**. .**	Dual energy
2211/412	**. .**	Dynamic
2211/416	**. .**	Exact reconstruction
2211/421	**. .**	Filtered back projection [FBP]
2211/424	**. .**	Iterative
2211/428	**. .**	Real-time
2211/432	**. .**	Truncation
2211/436	**. .**	Limited angle
2211/441	**. .**	AI-based methods, deep learning or artificial neural networks

> <u>WARNING</u>
>
> Group G06T 2211/441 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/441 should be considered in order to perform a complete search.

2211/444	**. .**	Low dose acquisition or reduction of radiation dose

> <u>WARNING</u>
>
> Group G06T 2211/444 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/444 should be considered in order to perform a complete search.

2211/448	**. .**	involving metal artefacts, streaking artefacts, beam hardening or photon starvation

> <u>WARNING</u>
>
> Group G06T 2211/448 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/448 should be considered in order to perform a complete search.

2211/452	**. .**	involving suppression of scattered radiation or scatter correction

> <u>WARNING</u>
>
> Group G06T 2211/452 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/452 should be considered in order to perform a complete search.

2211/456	**. .**	Optical coherence tomography [OCT]

> <u>WARNING</u>
>
> Group G06T 2211/456 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/456 should be considered in order to perform a complete search.

2211/461	**. .**	Phase contrast imaging or dark field imaging

> <u>WARNING</u>
>
> Group G06T 2211/461 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/461 should be considered in order to perform a complete search.

2211/464	**. .**	Dual or multimodal imaging, i.e. combining two or more imaging modalities

> <u>WARNING</u>
>
> Group G06T 2211/464 is incomplete pending reclassification of documents from group G06T 2211/40.
>
> Groups G06T 2211/40 and G06T 2211/464 should be considered in order to perform a complete search.

2213/00		**Indexing scheme for animation**
2213/04	**.**	Animation description language
2213/08	**.**	Animation software package
2213/12	**.**	Rule based animation
2215/00		**Indexing scheme for image rendering**
2215/06	**.**	Curved planar reformation of 3D line structures
2215/08	**.**	Gnomonic or central projection
2215/12	**.**	Shadow map, environment map
2215/16	**.**	Using real world measurements to influence rendering
2219/00		**Indexing scheme for manipulating 3D models or images for computer graphics**
2219/004	**.**	Annotating, labelling
2219/008	**.**	Cut plane or projection plane definition
2219/012	**.**	Dimensioning, tolerancing
2219/016	**.**	Exploded view
2219/021	**.**	Flattening
2219/024	**.**	Multi-user, collaborative environment
2219/028	**.**	Multiple view windows (top-side-front-sagittal-orthogonal)
2219/20	**.**	Indexing scheme for editing of 3D models
2219/2004	**. .**	Aligning objects, relative positioning of parts
2219/2008	**. .**	Assembling, disassembling
2219/2012	**. .**	Colour editing, changing, or manipulating; Use of colour codes
2219/2016	**. .**	Rotation, translation, scaling
2219/2021	**. .**	Shape modification
2219/2024	**. .**	Style variation