

# CPC COOPERATIVE PATENT CLASSIFICATION

## G PHYSICS (NOTES omitted)

### INSTRUMENTS

## G06 COMPUTING OR CALCULATING; COUNTING (NOTES omitted)

## G06T IMAGE DATA PROCESSING OR GENERATION, IN GENERAL

### WARNINGS

- 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](#)
- 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.

<b>1/00</b>	<b>General purpose image data processing</b>	3/08	• Projecting images onto non-planar surfaces, e.g. geodetic screens
1/0007	• {Image acquisition}	3/10	• Selection of transformation methods according to the characteristics of the input images
1/0014	• {Image feed-back for automatic industrial control, e.g. robot with camera ( <a href="#">robots B25J 19/023</a> )}	3/12	• Panorpheric to cylindrical image transformations
1/0021	• {Image watermarking}	3/14	• Transformations for image registration, e.g. adjusting or mapping for alignment of images
1/0028	• . {Adaptive watermarking, e.g. Human Visual System [HVS]-based watermarking}	3/147	• . using affine transformations
1/0035	• . . {Output size adaptive watermarking}	3/153	• . using elastic snapping
1/0042	• . {Fragile watermarking, e.g. so as to detect tampering}	3/16	• Spatio-temporal transformations, e.g. video cubism
1/005	• . {Robust watermarking, e.g. average attack or collusion attack resistant}	3/18	• Image warping, e.g. rearranging pixels individually
1/0057	• . . {Compression invariant watermarking}	3/20	• Linear translation of whole images or parts thereof, e.g. panning
1/0064	• . . {Geometric transfor invariant watermarking, e.g. affine transform invariant}	3/40	• Scaling of whole images or parts thereof, e.g. expanding or contracting
1/0071	• . . {using multiple or alternating watermarks}	3/4007	• . based on interpolation, e.g. bilinear interpolation ( <a href="#">image demosaicing G06T 3/4015</a> ; <a href="#">edge-driven or edge-based scaling G06T 3/403</a> )
1/0078	• . . {using multiple thresholds}	3/4015	• . Image demosaicing, e.g. colour filter arrays [CFA] or Bayer patterns
1/0085	• . {Time domain based watermarking, e.g. watermarks spread over several images}	3/4023	• . based on decimating pixels or lines of pixels; based on inserting pixels or lines of pixels
1/0092	• . {Payload characteristic determination in a watermarking scheme, e.g. number of bits to be embedded}	3/403	• . Edge-driven scaling; Edge-based scaling
1/20	• Processor architectures; Processor configuration, e.g. pipelining	3/4038	• . Image mosaicing, e.g. composing plane images from plane sub-images
1/60	• Memory management	3/4046	• . using neural networks
<b>3/00</b>	<b>Geometric image transformations in the plane of the image</b>	3/4053	• . based on super-resolution, i.e. the output image resolution being higher than the sensor resolution
3/02	• Affine transformations ( <a href="#">for image registration G06T 3/147</a> ; <a href="#">for image mosaicing G06T 3/4038</a> )	3/4061	• . . by injecting details from different spectral ranges
3/04	• Context-preserving transformations, e.g. by using an importance map ( <a href="#">panospheric to cylindrical image transformations G06T 3/12</a> )	3/4069	• . . by subpixel displacements
3/047	• . Fisheye or wide-angle transformations	3/4076	• . . using the original low-resolution images to iteratively correct the high-resolution images
3/053	• . Detail-in-context presentations ( <a href="#">fisheye or wide-angle transformations G06T 3/047</a> )	3/4084	• . in the transform domain, e.g. fast Fourier transform [FFT] domain scaling
3/06	• Topological mapping of higher dimensional structures onto lower dimensional surfaces	3/4092	• . Image resolution transcoding, e.g. by using client-server architectures
3/067	• . Reshaping or unfolding three-dimensional [3D] tree structures onto two-dimensional [2D] planes	3/60	• Rotation of whole images or parts thereof
3/073	• . Transforming surfaces of revolution to planar images, e.g. cylindrical surfaces to planar images	3/602	• . by block rotation, e.g. by recursive reversal or rotation

3/604	. . using coordinate rotation digital computer [CORDIC] devices	7/149	. . involving deformable models, e.g. active contour models
3/606	. . by memory addressing or mapping	7/155	. . involving morphological operators
3/608	. . by skew deformation, e.g. two-pass or three-pass rotation	7/162	. . involving graph-based methods
<b>5/00</b>	<b>Image enhancement or restoration</b>	7/168	. . involving transform domain methods
	<b>WARNING</b>	7/174	. . involving the use of two or more images
	Group <a href="#">G06T 5/00</a> is impacted by reclassification into group <a href="#">G06T 5/60</a> .	7/181	. . involving edge growing; involving edge linking
	Groups <a href="#">G06T 5/00</a> and <a href="#">G06T 5/60</a> should be considered in order to perform a complete search.	7/187	. . involving region growing; involving region merging; involving connected component labelling
5/10	. using non-spatial domain filtering	7/194	. . involving foreground-background segmentation
5/20	. using local operators	7/20	. Analysis of motion ( <a href="#">motion estimation for coding, decoding, compressing or decompressing digital video signals H04N 19/43, H04N 19/51</a> )
5/30	. . Erosion or dilatation, e.g. thinning	7/207	. . for motion estimation over a hierarchy of resolutions ( <a href="#">multi-resolution motion estimation or hierarchical motion estimation for coding, decoding, compressing or decompressing digital video signals H04N 19/53</a> )
5/40	. using histogram techniques	7/215	. . Motion-based segmentation
5/50	. using two or more images, e.g. averaging or subtraction	7/223	. . using block-matching
5/60	. using machine learning, e.g. neural networks	7/231	. . . using full search
	<b>WARNING</b>	7/238	. . . using non-full search, e.g. three-step search
	Group <a href="#">G06T 5/60</a> is incomplete pending reclassification of documents from group <a href="#">G06T 5/00</a> .	7/246	. . using feature-based methods, e.g. the tracking of corners or segments
	Groups <a href="#">G06T 5/00</a> and <a href="#">G06T 5/60</a> should be considered in order to perform a complete search.	7/248	. . . { <a href="#">involving reference images or patches</a> }
5/70	. Denoising; Smoothing	7/251	. . . { <a href="#">involving models</a> }
5/73	. Deblurring; Sharpening	7/254	. . involving subtraction of images
5/75	. . Unsharp masking	7/262	. . using transform domain methods, e.g. Fourier domain methods
5/77	. Retouching; Inpainting; Scratch removal	7/269	. . using gradient-based methods
5/80	. Geometric correction	7/277	. . involving stochastic approaches, e.g. using Kalman filters
5/90	. Dynamic range modification of images or parts thereof	7/285	. . using a sequence of stereo image pairs
5/92	. . based on global image properties	7/292	. . Multi-camera tracking
5/94	. . based on local image properties, e.g. for local contrast enhancement	7/30	. Determination of transform parameters for the alignment of images, i.e. image registration
<b>7/00</b>	<b>Image analysis</b>	7/32	. . using correlation-based methods
7/0002	. { <a href="#">Inspection of images, e.g. flaw detection</a> }	7/33	. . using feature-based methods
7/0004	. . { <a href="#">Industrial image inspection</a> }	7/337	. . . { <a href="#">involving reference images or patches</a> }
7/0006	. . . { <a href="#">using a design-rule based approach</a> }	7/344	. . . { <a href="#">involving models</a> }
7/0008	. . . { <a href="#">checking presence/absence</a> }	7/35	. . using statistical methods
7/001	. . . { <a href="#">using an image reference approach</a> }	7/37	. . using transform domain methods
7/0012	. . { <a href="#">Biomedical image inspection</a> }	7/38	. . Registration of image sequences
7/0014	. . . { <a href="#">using an image reference approach</a> }	7/40	. Analysis of texture ( <a href="#">depth or shape recovery from texture G06T 7/529</a> )
7/0016	. . . . { <a href="#">involving temporal comparison</a> }	7/41	. . based on statistical description of texture
7/10	. Segmentation; Edge detection ( <a href="#">motion-based segmentation G06T 7/215</a> )	7/42	. . . using transform domain methods
	<b>NOTE</b>	7/44	. . . using image operators, e.g. filters, edge density metrics or local histograms
	When classifying in groups <a href="#">G06T 7/11</a> - <a href="#">G06T 7/13</a> , classification is also made in relevant groups of <a href="#">G06T 7/136</a> - <a href="#">G06T 7/194</a> .	7/45	. . . using co-occurrence matrix computation
7/11	. . Region-based segmentation	7/46	. . . using random fields
7/12	. . Edge-based segmentation	7/48	. . . using fractals
7/13	. . Edge detection	7/49	. . based on structural texture description, e.g. using primitives or placement rules
7/136	. . involving thresholding	7/50	. Depth or shape recovery
7/143	. . involving probabilistic approaches, e.g. Markov random field [MRF] modelling	7/507	. . from shading ( <a href="#">G06T 7/586 takes precedence</a> )
		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	11/60	. Creating or editing images; Combining images with text
7/55	. . from multiple images		<b>WARNING</b>
7/557	. . . from light fields, e.g. from plenoptic cameras		Group <a href="#">G06T 11/60</a> is incomplete pending reclassification of documents from group <a href="#">G06T 11/80</a> . Group <a href="#">G06T 11/60</a> is also impacted by reclassification into group <a href="#">G06T 11/65</a> .
7/564	. . . from contours		Groups <a href="#">G06T 11/60</a> , <a href="#">G06T 11/80</a> and <a href="#">G06T 11/65</a> should be considered in order to perform a complete search.
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	11/65	. . on geographic maps
7/62	. . of area, perimeter, diameter or volume		<b>WARNING</b>
7/64	. . of convexity or concavity		Group <a href="#">G06T 11/65</a> is incomplete pending reclassification of documents from groups <a href="#">G06T 11/60</a> and <a href="#">G06T 11/80</a> .
7/66	. . of image moments or centre of gravity		Groups <a href="#">G06T 11/60</a> , <a href="#">G06T 11/80</a> and <a href="#">G06T 11/65</a> should be considered in order to perform a complete search.
7/68	. . of symmetry		
7/70	. Determining position or orientation of objects or cameras ( <a href="#">camera calibration G06T 7/80</a> )		
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	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}
7/85	. . {Stereo camera calibration}	(Frozen)	<b>WARNING</b>
7/90	. Determination of colour characteristics		Group <a href="#">G06T 11/80</a> is no longer used for the classification of documents as of January 1, 2026. The content of this group is being reclassified into groups <a href="#">G06T 11/60</a> and <a href="#">G06T 11/65</a> .
7/97	. {Determining parameters from multiple pictures (depth or shape recovery from multiple images <a href="#">G06T 7/55</a> ; stereo camera calibration <a href="#">G06T 7/85</a> )}		Groups <a href="#">G06T 11/80</a> , <a href="#">G06T 11/60</a> and <a href="#">G06T 11/65</a> should be considered in order to perform a complete search.
<b>9/00</b>	<b>Image coding</b> (bandwidth or redundancy reduction for static pictures <a href="#">H04N 1/41</a> ; coding or decoding of static colour picture signals <a href="#">H04N 1/64</a> ; methods or arrangements for coding, decoding, compressing or decompressing digital video signals <a href="#">H04N 19/00</a> )		
9/001	. {Model-based coding, e.g. wire frame}	<b>12/00</b>	<b>Tomographic reconstruction from projections</b>
9/002	. {using neural networks}	12/10	. Image preprocessing, e.g. calibration, positioning of sources or scatter correction
9/004	. {Predictors, e.g. intraframe, interframe coding}	12/20	. Inverse problem, i.e. transformations from projection space into object space
9/005	. {Statistical coding, e.g. Huffman, run length coding}	12/30	. Image post-processing, e.g. metal artefact correction
9/007	. {Transform coding, e.g. discrete cosine transform}	<b>13/00</b>	<b>Animation</b>
9/008	. {Vector quantisation}	13/20	. Three-dimensional [3D] animation
9/20	. Contour coding, e.g. using detection of edges	13/205	. . {driven by audio data}
9/40	. Tree coding, e.g. quadtree, octree	13/40	. . of characters, e.g. humans, animals or virtual beings
<b>11/00</b>	<b>Two-dimensional [2D] image generation</b>	13/60	. . of natural phenomena, e.g. rain, snow, water or plants
11/10	. Texturing; Colouring; Generation of textures or colours ( <a href="#">retouching, inpainting or scratch removal G06T 5/77</a> )	13/80	. Two-dimensional [2D] animation, e.g. using sprites
11/20	. Drawing from basic elements	<b>15/00</b>	<b>Three-dimensional [3D] image rendering</b>
11/23	. . using straight lines or curves	15/005	. {General purpose rendering architectures}
11/26	. . Drawing of charts or graphs	15/02	. Non-photorealistic rendering
11/40	. Filling planar surfaces by adding surface attributes, e.g. adding colours or textures	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}	2201/0201	. . whereby only tamper or origin are detected and no embedding takes place
15/55	. . Radiosity	2201/0202	. . whereby the quality of watermarked images is measured; Measuring quality or performance of watermarking methods; Balancing between quality and robustness
15/60	. . Shadow generation	2201/0203	. . whereby the image with embedded watermark is reverted to the original condition before embedding, e.g. lossless, distortion-free or invertible watermarking
15/80	. . Shading	2201/0601	. . whereby calibration information is embedded in the watermark, e.g. a grid, a scale, a list of transformations
15/83	. . . Phong shading		
15/87	. . . Gouraud shading		
<b>17/00</b>	<b>Three-dimensional [3D] modelling for computer graphics</b>	<b>2207/00</b>	<b>Indexing scheme for image analysis or image enhancement</b>
17/005	. {Tree description, e.g. octree, quadtree}	2207/10	. Image acquisition modality
17/05	. Geographic models	2207/10004	. . Still image; Photographic image
17/10	. Constructive solid geometry [CSG] using solid primitives, e.g. cylinders, cubes	2207/10008	. . . from scanner, fax or copier
17/20	. Finite element generation, e.g. wire-frame surface description, {tessellation}	2207/10012	. . . Stereo images
17/205	. . {Re-meshing}	2207/10016	. . Video; Image sequence
17/30	. Polynomial surface description	2207/10021	. . . Stereoscopic video; Stereoscopic image sequence
<b>19/00</b>	<b>Manipulating three-dimensional [3D] models or images for computer graphics</b>	2207/10024	. . Color image
19/003	. {Navigation within 3D models or images}	2207/10028	. . Range image; Depth image; 3D point clouds
19/006	. {Mixed reality (object pose determination, tracking or camera calibration for mixed reality G06T 7/00)}	2207/10032	. . Satellite or aerial image; Remote sensing
19/20	. Editing of three-dimensional [3D] images, e.g. changing shapes or colours, aligning objects or positioning parts	2207/10036	. . . Multispectral image; Hyperspectral image
		2207/10041	. . . Panchromatic image
<b>2200/00</b>	<b>Indexing scheme for image data processing or generation, in general</b>	2207/10044	. . . Radar image
2200/04	. involving 3D image data	2207/10048	. . Infrared image
2200/08	. involving all processing steps from image acquisition to 3D model generation	2207/10052	. . Images from lightfield camera
2200/12	. involving antialiasing	2207/10056	. . Microscopic image
2200/16	. involving adaptation to the client's capabilities	2207/10061	. . . from scanning electron microscope
2200/21	. involving computational photography	2207/10064	. . Fluorescence image
2200/24	. involving graphical user interfaces [GUIs]	2207/10068	. . Endoscopic image
2200/28	. involving image processing hardware	2207/10072	. . Tomographic images
2200/32	. involving image mosaicing	2207/10076	. . . 4D tomography; Time-sequential 3D tomography
2200/36	. Review paper; Tutorial; Survey	2207/10081	. . . Computed x-ray tomography [CT]
<b>2201/00</b>	<b>General purpose image data processing</b>	2207/10084	. . . Hybrid tomography; Concurrent acquisition with multiple different tomographic modalities
2201/005	. Image watermarking	2207/10088	. . . Magnetic resonance imaging [MRI]
2201/0051	. . Embedding of the watermark in the spatial domain	2207/10092	. . . . Diffusion tensor magnetic resonance imaging [DTI]
2201/0052	. . Embedding of the watermark in the frequency domain	2207/10096	. . . . Dynamic contrast-enhanced magnetic resonance imaging [DCE-MRI]
2201/0053	. . Embedding of the watermark in the coding stream, possibly without decoding; Embedding of the watermark in the compressed domain	2207/10101	. . . Optical tomography; Optical coherence tomography [OCT]
2201/0061	. . Embedding of the watermark in each block of the image, e.g. segmented watermarking	2207/10104	. . . Positron emission tomography [PET]
2201/0062	. . Embedding of the watermark in text images, e.g. watermarking text documents using letter skew, letter distance or row distance	2207/10108	. . . Single photon emission computed tomography [SPECT]
2201/0063	. . in relation to collusion attacks, e.g. collusion attack resistant	2207/10112	. . . Digital tomosynthesis [DTS]
2201/0064	. . for copy protection or copy management, e.g. CGMS, copy only once, one-time copy	2207/10116	. . . X-ray image
2201/0065	. . Extraction of an embedded watermark; Reliable detection	2207/10121	. . . Fluoroscopy
2201/0081	. . whereby both original and watermarked images are required at decoder, e.g. destination-based, non-blind, non-oblivious	2207/10124	. . . Digitally reconstructed radiograph [DRR]
2201/0083	. . whereby only watermarked image required at decoder, e.g. source-based, blind, oblivious	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	2207/30016	. . . Brain
2207/20008	. . . Globally adaptive	2207/30021	. . . Catheter; Guide wire
2207/20012	. . . Locally adaptive	2207/30024	. . . Cell structures <u>in vitro</u> ; Tissue sections <u>in vitro</u>
2207/20016	. . Hierarchical, coarse-to-fine, multiscale or multiresolution image processing; Pyramid transform	2207/30028	. . . Colon; Small intestine
2207/20021	. . Dividing image into blocks, subimages or windows	2207/30032	. . . . Colon polyp
2207/20024	. . Filtering details	2207/30036	. . . Dental; Teeth
2207/20028	. . . Bilateral filtering	2207/30041	. . . Eye; Retina; Ophthalmic
2207/20032	. . . Median filtering	2207/30044	. . . Fetus; Embryo
2207/20036	. . Morphological image processing	2207/30048	. . . Heart; Cardiac
2207/20041	. . . Distance transform	2207/30052	. . . Implant; Prosthesis
2207/20044	. . . Skeletonization; Medial axis transform	2207/30056	. . . Liver; Hepatic
2207/20048	. . Transform domain processing	2207/30061	. . . Lung
2207/20052	. . . Discrete cosine transform [DCT]	2207/30064	. . . . Lung nodule
2207/20056	. . . Discrete and fast Fourier transform, [DFT, FFT]	2207/30068	. . . Mammography; Breast
2207/20061	. . . Hough transform	2207/30072	. . . Microarray; Biochip, DNA array; Well plate
2207/20064	. . . Wavelet transform [DWT]	2207/30076	. . . Plethysmography
2207/20068	. . Projection on vertical or horizontal image axis	2207/30081	. . . Prostate
2207/20072	. . Graph-based image processing	2207/30084	. . . Kidney; Renal
2207/20076	. . Probabilistic image processing	2207/30088	. . . Skin; Dermal
2207/20081	. . Training; Learning	2207/30092	. . . Stomach; Gastric
2207/20084	. . Artificial neural networks [ANN]	2207/30096	. . . Tumor; Lesion
2207/20088	. . Trinocular vision calculations; trifocal tensor	2207/30101	. . . Blood vessel; Artery; Vein; Vascular
2207/20092	. . Interactive image processing based on input by user	2207/30104	. . . . Vascular flow; Blood flow; Perfusion
2207/20096	. . . Interactive definition of curve of interest	2207/30108	. . Industrial image inspection
2207/20101	. . . Interactive definition of point of interest, landmark or seed	2207/30112	. . . Baggage; Luggage; Suitcase
2207/20104	. . . Interactive definition of region of interest [ROI]	2207/30116	. . . Casting
2207/20108	. . . Interactive selection of 2D slice in a 3D data set	2207/30121	. . . CRT, LCD or plasma display
2207/20112	. . Image segmentation details	2207/30124	. . . Fabrics; Textile; Paper
2207/20116	. . . Active contour; Active surface; Snakes	2207/30128	. . . Food products
2207/20121	. . . Active appearance model [AAM]	2207/30132	. . . Masonry; Concrete
2207/20124	. . . Active shape model [ASM]	2207/30136	. . . Metal
2207/20128	. . . Atlas-based segmentation	2207/30141	. . . Printed circuit board [PCB]
2207/20132	. . . Image cropping	2207/30144	. . . Printing quality
2207/20152	. . . Watershed segmentation	2207/30148	. . . Semiconductor; IC; Wafer
2207/20156	. . . Automatic seed setting	2207/30152	. . . Solder
2207/20161	. . . Level set	2207/30156	. . . Vehicle coating
2207/20164	. . . Salient point detection; Corner detection	2207/30161	. . . Wood; Lumber
2207/20168	. . . Radial search	2207/30164	. . . Workpiece; Machine component
2207/20172	. . Image enhancement details	2207/30168	. . Image quality inspection
2207/20182	. . . Noise reduction or smoothing in the temporal domain; Spatio-temporal filtering	2207/30172	. . Centreline of tubular or elongated structure
2207/20192	. . . Edge enhancement; Edge preservation	2207/30176	. . Document
2207/20201	. . . Motion blur correction	2207/30181	. . Earth observation
2207/20204	. . . Removing film grain; Adding simulated film grain	2207/30184	. . . Infrastructure
2207/20208	. . . High dynamic range [HDR] image processing	2207/30188	. . . Vegetation; Agriculture
2207/20212	. . Image combination	2207/30192	. . . Weather; Meteorology
2207/20216	. . . Image averaging	2207/30196	. . Human being; Person
2207/20221	. . . Image fusion; Image merging	2207/30201	. . . Face
2207/20224	. . . Image subtraction	2207/30204	. . Marker
2207/20228	. . Disparity calculation for image-based rendering	2207/30208	. . . Marker matrix
2207/30	. Subject of image; Context of image processing	2207/30212	. . Military
2207/30004	. . Biomedical image processing	2207/30216	. . Redeye defect
2207/30008	. . . Bone	2207/30221	. . Sports video; Sports image
2207/30012	. . . . Spine; Backbone	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**

- 2211/40 . Computed tomography
- 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
- 2211/444 . . Low dose acquisition or reduction of radiation dose
- 2211/448 . . involving metal artefacts, streaking artefacts, beam hardening or photon starvation
- 2211/452 . . involving suppression of scattered radiation or scatter correction
- 2211/456 . . Optical coherence tomography [OCT]
- 2211/461 . . Phase contrast imaging or dark field imaging
- 2211/464 . . Dual or multimodal imaging, i.e. combining two or more imaging modalities

#### **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