ECLA   EUROPEAN CLASSIFICATION

G06T   **IMAGE DATA PROCESSING OR GENERATION, IN GENERAL (specially adapted for particular applications, see the relevant subclasses, e.g. G06K, G09G, H04N)** [N9408]

[N: **WARNING**
The following IPC groups are not used in the internal ECLA classification scheme. Subject matter covered by these groups is classified in the following ECLA groups:
G06T1/40 covered by G06T1/20
]

Notes

1. This subclass covers:
    - arrangements for geometrically modelling objects, whether the final model is used for display of an image of the object or for some other purpose, such as manufacture of a corresponding object;
    - arrangements for analysing the geometric attributes of an image of an object.

2. This subclass does not cover:
    - reading or recognising printed or written characters or recognising patterns, e.g. fingerprints, which is covered by subclass G06K;
    - modification of image data to allow display using multiple viewports, which is covered by subclass G09G;
    - circuits for generating functions for visual indicators, which are covered by subclass G09G;
    - scanning of documents or the like in pictorial communication, which is covered by subclass H04N.

G06T1/00   **General purpose image data processing** [N9411]

G06T1/00A   .   [N: Image acquisition] [N9411]

G06T1/00E   .   [N: Image feed-back for automatic industrial control, e.g. robot with camera (robots B25J19/02B4)] [N9411]

G06T1/00W   .   [N: Image watermarking] [N0004]

G06T1/00W2   .   .   [N: Adaptive watermarking, e.g. Human Visual System (HVS)-based watermarking] [N0610]

G06T1/00W2S   .   .   .   [N: Output size adaptive watermarking] [N0610]

G06T1/00W4   .   .   [N: Fragile watermarking, e.g. so as to detect tampering] [N0610]

G06T1/00W6   .   .   [N: Robust watermarking, e.g. average attack or collusion attack resistant] [N0610]

G06T1/00W6C   .   .   .   [N: Compression invariant watermarking] [N0610]

G06T1/00W6G   .   .   .   [N: Geometric transfor invariant watermarking, e.g. affine transform invariant] [N0610]

G06T1/00W6M   .   .   .   [N: using multiple or alternating watermarks] [N0610]

G06T1/00W6T   .   .   .   [N: using multiple thresholds] [N0610]

G06T1/00W8   .   .   [N: Time domain based watermarking, e.g. watermarks spread over several images] [N0610]

G06T1/00W10   .   .   [N: Payload characteristic determination in a watermarking scheme, e.g. number of bits to be embedded] [N0610]

G06T1/20   .   Processor architectures; Processor configuration, e.g. pipelining (architectures of general purpose stored programme computers G06F15/76) [N9411]

G06T1/60   .   Memory management [N9411]

G06T3/00   **Geometric image transformation in the plane of the image, e.g. from bit-mapped to bit-mapped creating a different image** [N9408]

G06T3/00A   .   [N: Affine transformations (G06T3/40M, G06T3/00R take precedence)] [N9408] [C1002]

G06T3/00C   .   [N: Context preserving transformation, e.g. by using an importance map (G06T3/00P takes precedence)] [N1002]
G06T3/00C2   .   .   [N: Fisheye, wide-angle transformation] [N1004]
G06T3/00C4   .   .   [N: Detail-in-context presentation (G06T3/00C2 takes precedence)] [N1004]

G06T3/00F   .   [N: for topological mapping of a higher dimensional structure on a lower dimensional surface] [N1002] [C1004]
G06T3/00F2   .   .   [N: Reshaping or unfolding a 3D tree structure onto a 2D plane] [N1004]
G06T3/00F4   .   .   [N: Surface of revolution to planar image transformation] [N1004]

G06T3/00G   .   [N: for projecting an image on a non-planar surface, e.g. a geodetic screen] [N1002]

G06T3/00N   .   [N: the transformation method being selected according to the characteristics of the input image] [N1002]

G06T3/00P   .   [N: Panospheric to cylindrical image transformation] [N1002]

G06T3/00R   .   [N: for image registration, e.g. elastic snapping] [N1002]
G06T3/00R2   .   .   [N: using affine transformations] [N1004]
G06T3/00R4   .   .   [N: by elastic snapping] [N1004]

G06T3/00S   .   [N: Spatio-temporal transformations, e.g. video cubism] [N1002]

G06T3/00W   .   [N: for image warping, i.e. transforming by individually repositioning each pixel] [N1002]

G06T3/20   .   Linear translation of a whole image or part thereof, e.g. panning [N9408]

G06T3/40   .   Scaling the whole image or part thereof [N9408]
G06T3/40B   .   .   [N: Interpolation-based scaling, e.g. bilinear interpolation (G06T3/40C, G06T3/40E take precedence)] [N0607] [C0908]
G06T3/40C   .   .   [N: Demosaicing, e.g. colour filter array [CFA], Bayer pattern] [N0607] [C0908]
G06T3/40D   .   .   [N: Decimation- or insertion-based scaling, e.g. pixel or line decimation] [N0607] [C0908]
G06T3/40E   .   .   [N: Edge-driven scaling] [N0607] [C0908]
G06T3/40M   .   .   [N: for image mosaicing, i.e. plane images composed of plane sub-images] [N1002]

G06T3/40N	. .	[N: using neural networks] [N1002]
G06T3/40S	. .	[N: Super resolution, i.e. output image resolution higher than sensor resolution] [N1002]
G06T3/40S2	. . .	[N: by injecting details from a different spectral band] [N1004]
G06T3/40S4	. . .	[N: by subpixel displacement] [N1004]
G06T3/40S6	. . .	[N: by iteratively correcting the provisional high resolution image using the original low-resolution image] [N1004]
G06T3/40T	. .	[N: Transform-based scaling, e.g. FFT domain scaling] [N0607] [C0908]
G06T3/40X	. .	[N: Image resolution transcoding, e.g. client/server architecture] [N1002]
G06T3/60	.	Rotation of a whole image or part thereof [N9408]
G06T3/60B	. .	[N: Block rotation, e.g. by recursive reversing or rotating] [N0908]
G06T3/60C	. .	[N: using a CORDIC [COordinate Rotation DIgital Compute] device] [N1002]
G06T3/60M	. .	[N: Rotation by memory addressing or mapping] [N0908]
G06T3/60S	. .	[N: Skewing or deskewing, e.g. by two-pass or three-pass rotation] [N0908]

G06T5/00   **Image enhancement or restoration, e.g. from bit-mapped to bit-mapped creating a similar image** [N9411]

| G06T5/00D | . | [N: Image restoration] [N9411] [C1207] |
| G06T5/00D1 | . . | [N: Denoising; Smoothing (noise processing or correction adapted to be used in an image pickup device containing and electronic image sensor H04N5/217, H04N5/357 to H04N5/365)] [N1204] |

        [N: **WARNING**
        Not complete pending reclassification; see also group G06T5/00D
        ]

| G06T5/00D3 | . . | [N: Deblurring; Sharpening (vibration or motion blur correction for cameras comprising an electronic image sensor H04N5/232S2)] [N1204] |

        [N: **WARNING**
        Not complete pending reclassification; see also group G06T5/00D
        ]

| G06T5/00D3U | . . . | [N: Unsharp masking] [N1204] |

           [N: **WARNING**
           Not complete pending reclassification; see also group G06T5/00D
           ]

| G06T5/00D5 | . . | [N: Retouching; Inpainting; Scratch removal (detecting, correction, reducing or removing defects, e.g. non-responsive pixels of solid state image sensors H04N5/367, scratch removal for cinematographic films scanned by electronic image sensor H04N5/253)] [N1204] |

        [N: **WARNING**
        Not complete pending reclassification; see also group G06T5/00D
        ]

| G06T5/00G | . | [N: Geometric correction (detecting, correcting, reducing or removing artefacts resulting only from the lens unit, e.g. flare, shading, vignetting or "cos4" H04N5/357A, correction of chromatic aberrations adapted to be used in an image pickup device containing and electronic image sensor H04N9/04B)] [N9411] [C1207 |

G06T5/00M	.	[N: Dynamic range modification (applied in cameras using an electronic image sensor H04N5/235N, H04N5/235P)] [N1204]

[N: **WARNING**
Not complete pending reclassification; see also groups G06T5/00D and G06T5/40
]

G06T5/00M1	. .	[N: Local, e.g. shadow enhancement] [N1204]

[N: **WARNING**
Not complete pending reclassification; see also group G06T5/00D
]

G06T5/00M2	. .	[N: Global, i.e. based on properties of the image as a whole (applied in cameras using an electronic image sensor H04N5/232L, H04N5/235)] [N1204]

[N: **WARNING**
Not complete pending reclassification; see also group G06T5/40
]

G06T5/10	.	by non-spatial domain filtering [N: (applied in cameras using an electronic image sensor H04N5/232L, H04N5/235, H04N5/253, H04N5/367)] [N9411] [C1207]

[N: **WARNING**
[N1207]Not complete pending reclassification; see also group G06T5/00D
]

G06T5/20	.	by the use of local operators [N: (applied in cameras using an electronic image sensor H04N5/232L, H04N5/235, H04N5/253, H04N5/367)] [N9411] [C1207]
G06T5/30	. .	Erosion or dilatation, e.g. thinning [N9411]
G06T5/40	.	by the use of histogram techniques [N: (applied in cameras using an electronic image sensor H04N5/232L, H04N5/235)] [N9411] [C1207]
G06T5/50	.	by the use of more than one image, e.g. averaging, subtraction [N: (applied in cameras using an electronic image sensor H04N5/232L, H04N5/235)] [N9411] [C1207

G06T7/00		**Image analysis, e.g. from bit-mapped to non bit-mapped** [N9411]
G06T7/00B	.	[N: Inspection of images, e.g. flaw detection (G06T7/00P takes precedence)] [N9411] [C0505]

[N: **WARNING**
This group is being reorganised in the 5 following sub-groups
]

G06T7/00B1	. .	[N: Industrial image inspection] [N0505]
G06T7/00B1D	. . .	[N: using a design-rule based approach] [N0505]
G06T7/00B1P	. . .	[N: checking presence/absence] [N0505]
G06T7/00B1R	. . .	[N: using an image reference approach (image matching for pattern recognition or image matching in general G06K9/64A2)] [N0505] [C1108]
G06T7/00B2	. .	[N: Biomedical image inspection] [N0505]

[N: **WARNING** [N1112]
Groups G06T/00B2R and G06T7/00B2R1 are not complete pending

reclassification. See also this group
]

G06T7/00B2R	. . .	[N: using an image reference approach (image matching for pattern recognition or image matching in general G06K9/64A2)] [N1112]
G06T7/00B2R1	. . . .	[N: involving temporal comparison (change detection in general G06T7/20)] [N1112]
G06T7/00C	.	[N: Camera calibration, e.g. determining intrinsic or extrinsic parameters] [N0505] [C1203]
G06T7/00C1	. .	[N: Stereo camera calibration, e.g. determination of the transformation between left camera coordinate system and right camera coordinate system (calibration aspects for stereoscopic image generation H04N13/00S2A7)] [N0505] [C1012]
G06T7/00D	.	[N: Determining parameters from multiple pictures (depth or shape from stereo images G06T7/00R7S; depth or shape from multiple images G06T7/00R7; stereo camera calibration G06T7/00C1)] [N9411] [C1012]
G06T7/00D1	. .	[N: Registration of images, e.g. alignment of images (image matching for pattern recognition or image matching in general G06K9/64A2)] [N0001] [C1108]
G06T7/00D1C	. . .	[N: using correlation-based methods] [N0505]
G06T7/00D1F	. . .	[N: using feature-based methods] [N0505]
G06T7/00D1F3	. . . .	[N: involving reference images or patches (image matching for pattern recognition or image matching in general G06K9/64A2)] [N1103] [C1108]
G06T7/00D1F5	. . . .	[N: involving models (model matching for pattern recognition G06K9/64A2C, G06K9/68C)] [N1103]
G06T7/00D1S	. . .	[N: using statistical methods (image matching by comparing statistics of regions for pattern recognition G06K9/64S)] [N1103]
G06T7/00D1T	. . .	[N: using transform-domain based approaches] [N0505]
G06T7/00D1Z	. . .	[N: Registration of image sequences] [N1103]
G06T7/00P	.	[N: Determining position or orientation of objects] [N9411] [C1012]
G06T7/00P1	. .	[N: using feature-based methods] [N1103]
G06T7/00P1E	. . .	[N: involving reference images or patches (image matching for pattern recognition or image matching in general G06K9/64A2)] [N1103] [C1108]
G06T7/00P1M	. . .	[N: involving models (model matching for pattern recognition G06K9/64A2C, G06K9/68C)] [N1103]
G06T7/00P3	. .	[N: using statistical methods (image matching by comparing statistics of regions for pattern recognition G06K9/64S)] [N1103]
G06T7/00R	.	[N: Depth or shape recovery] [N0505]
G06T7/00R1	. .	[N: from shading] [N0505] [C1012]
G06T7/00R2	. .	[N: from specularities] [N0505]
G06T7/00R3	. .	[N: from laser ranging and structured images, e.g. interferometry (image acquisition and arrangements for measuring contours or curvatures of an object by projecting a pattern, thereupon G01B11/25)] [N0505] [C1105]
G06T7/00R4	. .	[N: from texture] [N0505] [C1012]
G06T7/00R5	. .	[N: from perspective effects, e.g. using vanishing points] [N0505]
G06T7/00R6	. .	[N: from line drawings] [N0505]
G06T7/00R7	. .	[N: from multiple images] [N0505]

G06T7/00R7C	. . .	[N: from contours] [N0505]
G06T7/00R7F	. . .	[N: from focus] [N0505]
G06T7/00R7M	. . .	[N: from motion] [N0505]

[N: **WARNING** [N1103]
Not complete pending reclassification; see also group G06T7/20
]

G06T7/00R7P	. . .	[N: from multiple light sources, e.g. photometric stereo] [N0505]
G06T7/00R7S	. . .	[N: from stereo images] [N0505]
G06T7/00R7S1	. . . .	[N: from three or more stereo images] [N0505]

G06T7/00S . [N: Segmentation or edge detection (image analysis based on texture or colour features G06T7/40; motion-based segmentation G06T7/20A; separation of touching or overlapping patterns for pattern recognition G06K9/34; extraction of features or characteristics of the image for pattern recognition G06K9/46)] [N0806] [C1108]

G06T7/00S1 . . [N: Region-based segmentation (image analysis based on texture or colour features G06T7/40; separation of touching or overlapping patterns by cutting or merging for pattern recognition G06K9/34C; quantising the analogue image signal for pattern recognition G06K9/38; extraction of features or characteristics of the image related to colour for pattern recognition G06K9/46C) [N0806] [C1108]

G06T7/00S2 . . [N: Edge-based segmentation (detecting partial patterns or configurations G06K9/46A)] [N0806] [C1105]

G06T7/00S3 . . [N: Edge detection (detecting partial patterns or configurations G06K9/46A)] [N0806] [C1105]

G06T7/00S4 . . [N: involving probabilistic approaches, e.g. Markov Random Field [MRF] modeling (Markov models or related models or networks embedding Markov models for pattern recognition G06K9/62G1; classification techniques based on a parametric, e.g. probabilistic, model G06K9/62C1P; detecting partial patterns or configurations by analysing connectivity relationship of elements of the pattern G06K9/46A3)] [N0806] [C1105]

G06T7/00S5 . . [N: involving deformable models, e.g. active contour (pattern recognition techniques involving a deformation of the sample or reference pattern or elastic matching G06K9/64A2D)] [N0806] [C1105]

G06T7/00S6 . . [N: involving morphological operators (combinations of preprocessing functions using a local operator for pattern recognition G06K9/56)] [N0806] [C1105]

G06T7/00S7 . . [N: involving graph-based approaches (non-hierarchical partitioning techniques based on graph theory for pattern recognition G06K9/62B1P2)] [N0806] [C1105]

G06T7/00S8 . . [N: involving transform domain approaches (detecting partial patterns, e.g. edges or contours, using the Hough transform for pattern recognition G06K9/46A2)] [N1106] [C1108]

G06T7/00S9 . . [N: involving the use of two or more images] [N1106]

G06T7/20 . Analysis of motion [N: (movement detection in television systems H04N5/14M; motion estimation for digital video signal compression H04N7/26M; recognizing scenes under surveillance and traffic patterns G06K9/00V4, G06K9/00V5)] [N9411] [C1103]

[N: **WARNING**
This group is being reorganised. Documents dealing with shape from motion are reclassified to G06T7/00R7M and a sub-group G06T7/20A is created
]

G06T7/20A . . [N: Motion-based segmentation] [N0505]

[N: **WARNING** [N1103]

Not complete pending reclassification; see also group G06T7/20
]

G06T7/20B	. .	[N: using block-matching] [N9411] [C1012]

G06T7/20B . . [N: using block-matching] [N9411] [C1012]
G06T7/20B1 . . . [N: using full search] [N0505]
G06T7/20B2 . . . [N: using non-full search, e.g. three step search] [N0505]
G06T7/20C . . [N: using feature-based methods, e.g. corners, segments] [N9411]
G06T7/20C3 . . . [N: involving reference images or patches (image matching for pattern recognition or image matching in general G06K9/64A2)] [N1103] [C1108]

[N: **WARNING** [N1103]
Not complete pending reclassification; see also group G06T7/20
]

G06T7/20C5 . . . [N: involving models (model matching for pattern recognition G06K9/64A2C, G06K9/68C)] [N1103]

[N: **WARNING** [N1103]
Not complete pending reclassification; see also group G06T7/20
]

G06T7/20D . . [N: involving subtraction of pictures] [N9411]
G06T7/20F . . [N: using transform domain based approaches, e.g. Fourier] [N9411]
G06T7/20G . . [N: using gradient-based methods] [N9411]
G06T7/20H . . [N: Motion estimation over a hierarchy of resolutions] [N9411]
G06T7/20K . . [N: involving a stochastic approach, e.g. Kalman filter] [N9411]
G06T7/20S . . [N: Computing motion from a sequence of stereo images] [N9411]
G06T7/20U . . [Multi-camera tracking] [N1103]

[N: **WARNING** [N1103]
Not complete pending reclassification; see also group G06T7/20
]

G06T7/40 . Analysis of texture [N: (depth or shape from texture G06T7/00R4)] [N9411] [C0505]
G06T7/40A . . [N: based on statistical texture description] [N0505]
G06T7/40A1 . . . [N: using transform-domain based approaches] [N0505] [C1109]
G06T7/40A2 . . . [N: using image operators, e.g. filter, edge density, local histograms] [N0505] [C1109]
G06T7/40A3 . . . [N: using co-occurrence matrix computation] [N0505]
G06T7/40A4 . . . [N: using random Fields] [N0505] [C1109]
G06T7/40A5 . . . [N: using fractals] [N0505]
G06T7/40B . . [N: based on structural texture description, i.e. primitives and placement rules] [N0505]
G06T7/40C . . [N: Color analysis] [N0505]

G06T7/60 . Analysis of geometric attributes, e.g. area, center of gravity or perimeter, from an image [N9411] [C0505]
G06T7/60A . . [N: Area, perimeter, diameter or volume] [N0505]
G06T7/60C . . [N: Convexity or concavity] [N0505]
G06T7/60M . . [N: Center of gravity or moments (moments specific for pattern recognition, e.g.

Zernike moments G06K9/52M)] [N0505] [C1108]

G06T7/60S   .   .   [N: Symmetry] [N0505]

G06T9/00   **Image coding, e.g. from bit-mapped to non bit-mapped ([N: H04N1/00, H04N19/00 take precedence;] compression in general H03M; compression for image communication H04N)** [N1205]

G06T9/00F   .   [N: Model-based coding, e.g. wire frame (see provisionally also G06T9/00)] [C9411]

G06T9/00N   .   [N: using neural networks] [N9408]

G06T9/00P   .   [N: Predictors, e.g. intraframe, interframe coding (see provisionally also G06T9/00)] [C9411]

G06T9/00S   .   [N: Statistical coding, e.g. Huffman, run length coding (see provisionally also G06T9/00)] [C9411]

G06T9/00T   .   [N: Transform coding, e.g. discrete cosine transform (see provisionally also G06T9/00)] [C9411]

G06T9/00V   .   [N: Vector quantisation (see provisionally also G06T9/00)] [C9411]

G06T9/20   .   Contour coding, e.g. using detection of edges [N9408]

G06T9/40   .   Tree coding, e.g. quadtree, octree (see provisionally also G06T9/00) [C9411]

G06T11/00   **2D [Two Dimensional] image generation** [N9411] [C0812]

G06T11/00C   .   [N: Texturing; Colouring; Generation of texture or colour] [N9411] [M1207]

G06T11/00T   .   [N: Reconstruction from projections, e.g. tomography] [N9411]

                           [N: **WARNING**As from 06.2011 documents of this group are being continuously reclassified to its subgroups
[N1106]
]

G06T11/00T1   .   .   [N: Specific pre-processing for tomographic reconstruction, e.g. calibration, source positioning, rebinning, scatter correction, retrospective gating] [N1106]

                           [N: **WARNING**Not complete pending the completion of a reclassification; see also G11/00T
[N1106]
]

G06T11/00T3   .   .   [N: Inverse problem, transformation from projection-space into object-space, e.g. transform methods, back-projection, algebraic methods] [N1106]

                           [N: **WARNING**Not complete pending the completion of a reclassification; see also G06T11/00T
[N1106]
]

G06T11/00T5   .   .   [N: Specific post-processing after tomographic reconstruction, e.g. voxelisation, metal artifact correction] [N1106]

[N: **WARNING**Not complete pending the completion of a reclassification; see also G06T11/00T
[N1106]
]

G06T11/20	.	Drawing from basic elements, e.g. lines or circles [N9411] [C0812]
G06T11/20L	. .	[N: Drawing of straight lines or curves] [N9708]
G06T11/20T	. .	[N: Drawing of charts or graphs] [N9708]
G06T11/40	.	Filling a planar surface by adding surface attributes, e.g. colour or texture [N9411] [C0812]
G06T11/60	.	Editing figures and text; Combining figures or text [N9411]
G06T11/80	.	Creating or modifying a manually drawn or painted image using a manual input device, e.g. mouse, light pen, direction keys on keyboard [N9411]

G06T13/00		**Animation** [N0812] **[M1012]**
G06T13/20	.	3D [Three Dimensional] animation [N1009]
G06T13/20A	. .	[N: driven by audio data] [N1009]
G06T13/40	. .	of characters, e.g. humans, animals or virtual beings [N1009]
G06T13/60	. .	of natural phenomena, e.g. rain, snow, water or plants [N1009]
G06T13/80	.	2D [Two Dimensional] animation, e.g. using sprites [N1009]

G06T15/00		**3D [Three Dimensional] image rendering** [N9411] [C0812] **[M1012]**
G06T15/00A	.	[N: General purpose rendering architectures] [N9910]
G06T15/02	.	Non-photorealistic rendering [N1011]
G06T15/04	.	Texture mapping [N1011]
G06T15/06	.	Ray-tracing [N1011]
G06T15/08	.	Volume rendering [N1011]
G06T15/10	.	Geometric effects [N9411] [M1012]
G06T15/20	. .	Perspective computation [N9910]
G06T15/20B	. . .	[N: Image-based rendering] [N0812]

[N: **WARNING** [N0812]
This group is not complete pending a reorganisation. See also G06T15/00
]

G06T15/30	. .	Clipping [N9910]
G06T15/40	. .	Hidden part removal [N9910]
G06T15/40A	. . .	[N: using Z-buffer] [N9910]

G06T15/50	.	Lighting effects [N9411] [C0812]
G06T15/50B	. .	[N: Blending, e.g. for anti-aliasing] [N9910]
G06T15/50M	. .	[N: Illumination models] [N0812]
G06T15/55	. .	Radiosity [N1011]
G06T15/60	. .	Shadow generation [N9910] [C0812]
G06T15/80	. .	Shading [N1011]
G06T15/83	. . .	Phong shading [N1011]
G06T15/87	. . .	Gouraud shading [N1011]

G06T17/00   **Three dimensional [3D] modelling, e.g. data description of 3D objects** [N9411]

G06T17/00K   .   [N: Tree description, e.g. octree, quadtree] [N9411]

G06T17/05   .   Geographic models [N1108]

G06T17/10   .   Constructive solid geometry (CSG) using solid primitives, e.g. cylinders, cubes [N9411]

G06T17/20   .   Finite element generation, e.g. wire-frame surface description, [N: tesselation] [N9411] [M1112]

G06T17/20R   . .   [N: Re-meshing] [N1112]

G06T17/30   .   Polynomial surface description [N9411]

G06T19/00   **Manipulating 3D models or images for computer graphics** [N1108]

[N: **WARNING** [N1108]
As from August 1, 2011, documents relating to subject matter covered by subgroups G06T19/00N, G06T19/00R are continuously reclassified to said subgroups
]

G06T19/00N   .   [N: Navigation within 3D models or images] [N1108]

[N: **WARNING** [N1108]
This group is not complete pending reclassification; see also group G06T19/00
]

G06T19/00R   .   [N: Mixed reality (object pose determination, tracking or camera calibration for mixed reality G06T7/00)] [N1108]

[N: **WARNING** [N1108]
This group is not complete pending reclassification; see also group G06T19/00
]

G06T19/20   .   Editing of 3D images, e.g. changing shapes or colours, aligning objects or positioning parts [N1108]