Claims

1. An apparatus for decoding a plurality of transform coefficients ~~(12)~~ having transform coefficient levels from a data stream ~~(32)~~, comprising

a context adaptive entropy decoder ~~(80)~~ configured to, for a current transform coefficient ~~(x)~~, entropy decode a first set ~~(44)~~ of one or more symbols from the data stream ~~(32)~~;

a desymbolizer ~~(82)~~ configured to map the first set ~~(44)~~ of one or more symbols onto a transform coefficient level within a first level interval ~~(16)~~ in accordance with a first symbolization scheme;

an extractor ~~(84)~~ configured to, if the transform coefficient level onto which the first set of one or more symbols is mapped in accordance with the first symbolization scheme is a maximum level of the first level interval ~~(16)~~, extract a second set of symbols ~~(42)~~ from the data stream ~~(32)~~,

wherein the desymbolizer ~~(82)~~ is configured to map the second set ~~(42)~~ of symbols onto a position within a second level interval ~~(18)~~ in accordance with a second symbolization scheme which is parameterizable in accordance with a symbolization parameter,

wherein the context adaptive entropy decoder ~~(80)~~ is configured to, in entropy decoding at least one predetermined symbol of the first set ~~(44)~~ of one or more symbols from the data stream ~~(32)~~, use a context depending, via a function parameterizable via a function ~~(52)~~ parameter, with the function parameter set to a first setting, on previously decoded transform coefficients, and

wherein the apparatus further comprises a symbolization parameter determinator ~~(86)~~ configured to, if the transform coefficient level onto which the first set ~~(44)~~ of one or more symbols is mapped in accordance with the first symbolization scheme is a maximum level of the first level interval ~~(16)~~, determine the symbolization parameter ~~(46)~~ depending, via the function ~~(52)~~ with the function parameter set to a second setting, on the previously decoded transform coefficients.

2. Apparatus according to claim 1, wherein the apparatus is configured such that the function defining the relationship between the previously decoded transform

coefficients on the one hand, and a context index offset number for indexing the context, and the symbolization parameter on the other hand, is

$$g(f(\mathbf{x})) \text{ where } g(x)=\sum_{i=1}^{d_f}\delta'(x,n_i) \text{ and } f(\mathbf{x})=\sum_{i=1}^{d} w_i \cdot h \cdot \delta(x_i,t)$$

with

$$\delta(x,t)=\begin{cases}1 & |x|\geq t\\ 0 & |x|<t\end{cases} \quad \text{and} \quad \delta'(x,n)=\begin{cases}1 & x>n\\ 0 & x\leq n\end{cases}$$

where

t, w_i and $\{n_1,\ldots,n_{d_f}\}=\boldsymbol{n}$ form the function parameter,
$\mathbf{x}=\{x_1,\ldots,x_d\}$ with x_i with $i\in\{1\ldots d\}$ representing a previously decoded transform coefficient i,
w_i are weighting values each of which may be equal to one or unequal to one, and
h is a constant or function of x_i.

3. Apparatus according to claim 2, wherein the context adaptive entropy coder is configured such that the dependency of the context from the previously decoded transform coefficients via the function is

such that x_i is equal to the transform coefficient level of the previously decoded transform coefficient i in case same is within the first level interval, and is equal to the maximum level of the first level interval, in case of the transform coefficient level of the previously decoded transform coefficient i being within the second level interval, or

such that x_i is equal to the transform coefficient level of the previously decoded transform coefficient i, independent from the transform coefficient level of the previously decoded transform coefficient i being within the first or second level interval.

4. Apparatus according to claim 2 or 3, wherein the symbolization parameter setter is configured such that the dependency of the symbolization parameter on the previously decoded transform coefficients via the function is

such that x_i is equal to the transform coefficient level of the previously decoded transform coefficient *i,* independent from the transform coefficient level of the previously decoded transform coefficient *i* being within the first or second level interval.

5. Apparatus according to any of claims 2 to 4, wherein the apparatus is configured such that $n_1 \leq \ldots \leq n_{d_f}$.

6. Apparatus according to any of claims 2 to 5, wherein the apparatus is configured such that *h* is $|x_i| - t$.

7. Apparatus according to any of claims 1 to 6, wherein the apparatus is configured to spatially determine the previously coded transform coefficients depending on a relative spatial arrangement of the transform coefficients relative to the current transform coefficient.

8. Apparatus according to any of claims 1 to 7, wherein the apparatus is configured to extract information on a position of a last non-zero transform coefficient among transform coefficients of a transform coefficient block along a predetermined scan order ~~(14)~~ from the data stream ~~(32)~~, wherein the plurality of transform coefficients encompasses the transform coefficients from the last non-zero transform coefficient along the scan order to a DC transform coefficient of the transform coefficient block.

9. Apparatus according to claim 8, wherein the symbolizer is configured to use a modified first symbolization scheme for mapping of the first set of one or more symbols of the last non-zero transform coefficient, in which merely non-zero transform coefficient levels within the first level interval are involved, while a zero level is presumed not to apply for the last transform coefficient.

10. Apparatus according to claim 8 or 9, wherein the context adaptive entropy decoder is configured to use a separate set of contexts for entropy decoding the first set of one or more symbols for the last non-zero transform coefficient, separate from contexts used in entropy decoding the first set of one or more symbols of other than the last non-zero transform coefficient.

11. Apparatus according to any of claims 8 to 10, wherein the context adaptive entropy decoder traverses the plurality of transform coefficients in an opposite scan order leading from the last non-zero transform coefficient to the DC transform coefficient of the transform coefficient block.

12. Apparatus according to any of claims 1 to 11, wherein the apparatus is configured to decode the plurality of transform coefficients from the data stream in two scans, wherein the context adaptive entropy decoder is configured to entropy decode the first set of symbols for the transform coefficients from the data stream in an order corresponding to a first scan of the transform coefficients, wherein the extractor is configured to subsequently extract the second set of symbols for the transform coefficients for which the first set of symbols is mapped onto the maximum level of the first level interval from the data stream in an order corresponding to an occurrence of the transform coefficients for which the first set of symbols is mapped onto the maximum level of the first level interval within a second scan of the transform coefficients.

13. Apparatus according to any of claims 1 to 12, wherein the apparatus is configured to decode the plurality of transform coefficients from the data stream sequentially in one scan, wherein the second sets of symbols are interspersed within the data stream between first sets of symbols of the transform coefficients, and wherein the context adaptive entropy decoder and the extractor are configured to, for each transform coefficient in a scan order of the one scan, extract the second sets of symbols of respective transform coefficients for which the first set of symbols is mapped onto the maximum level of the first level interval from the data stream immediately subsequent to the context adaptive entropy decoder's entropy decoding of the first set of one or more symbols of the respective transform coefficients for which the first set of symbols is mapped onto the maximum level of the first level interval from the data stream.

14. Apparatus according to any of the previous claims, wherein the extractor is configured to extract the second set of symbols from the data stream directly or using entropy decoding using a fixed probability distribution.

15. Apparatus according to any of the previous claims, wherein the first symbolization scheme is a truncated unary binarization scheme.

16. Apparatus according to any of the previous claims, wherein the second symbolization scheme is such that the second set of symbols is of a Rice code.

17. Picture decoder comprising an apparatus according to any of the previous claims, wherein the picture decoder is configured to, in decoding a picture, retransform blocks of the picture from transform coefficient blocks, wherein the apparatus is configured to sequentially decode a plurality of transform coefficients of the transform coefficient blocks, transform coefficient block by transform coefficient block, with using the function for transform coefficient blocks of different sizes, for transform coefficient blocks of different sizes, and/or for transform coefficient blocks of different information component type.

18. Picture decoder according to claim 17, wherein the apparatus is configured to use different sets of contexts out of which the context for the current transform coefficient is selected depending on the previously decoded transform coefficients, for different frequency portions of the transform coefficient blocks, for transform coefficient blocks of different sizes, and/or for transform coefficient blocks of different information component type.

19. An apparatus for coding a plurality of transform coefficients having transform coefficient levels into a data stream ~~(32)~~, comprising

a symbolizer ~~(34)~~ configured to map a current transform coefficient

onto a first set of one or more symbols in accordance with a first symbolization scheme, if the current transform coefficient's transform coefficient level is within a first level interval ~~(16)~~, and

if the current transform coefficient's transform coefficient level is within a second level interval ~~(18)~~, onto a combination of a second set of symbols onto which a maximum level of the first level interval ~~(16)~~ is mapped in accordance with the first symbolization scheme, and a third set of symbols depending on a position of the current transform coefficient's transform coefficient level within the second level interval ~~(18)~~, in accordance with a second symbolization scheme which is parameterizable in accordance with a symbolization parameter ~~(46)~~;

a context adaptive entropy encoder ~~(36)~~ configured to, if the current transform coefficient's transform coefficient level is within the first level interval, entropy encode the first set of one or more symbols into the data stream, and, if the current transform coefficient's transform coefficient level is within the second level interval, entropy encode the second set of one or more symbols into the data stream, wherein the context adaptive entropy encoder is configured to, in entropy encoding at least one predetermined symbol of the second set of one or more symbols into the data stream, use a context depending, via a function parameterizable via a function parameter, with the function parameter set to a first setting, on previously coded transform coefficients; and

a symbolization parameter determinator ~~(38)~~ configured to, if the current transform coefficient's transform coefficient level is within the second level interval, determine the symbolization parameter ~~(46)~~ for the mapping onto the third set of symbols depending, via the function with the function parameter set to a second setting, on the previously coded transform coefficients; and

an inserter ~~(40)~~ configured to, if the current transform coefficient's transform coefficient level is within the second level interval, insert the third set of symbols into the data stream.

20. Apparatus according to claim 19, wherein the apparatus is configured such that the function ~~(52)~~ defining the relationship between the previously coded transform coefficients on the one hand, and a context index number ~~(56)~~ indexing the context, and the symbolization parameter ~~(46)~~ on the other hand, is

$$g(f(\mathbf{x})) \text{ where } g(x)=\sum_{i=1}^{d_f}\delta'(x,n_i) \text{ and } f(\mathbf{x})=\sum_{i=1}^{d} w_i \cdot h \cdot \delta(x_i,t)$$

with

$$\delta(x,t)=\begin{cases}1 & |x|\geq t\\ 0 & |x|<t\end{cases} \quad \text{and} \quad \delta'(x,n)=\begin{cases}1 & x>n\\ 0 & x\leq n\end{cases}$$

where

t, w_i and $\{n_1,\ldots,n_{d_f}\}=\boldsymbol{n}$ form the function parameter,

$\mathbf{x} = \{x_1, \ldots, x_d\}$ with x_i with $i \in \{1 \ldots d\}$ representing a previously decoded transform coefficient i,
w_i are weighting values each of which may be equal to one or unequal to one, and
h is a constant or function of x_i.

21. Apparatus according to claim 20, wherein the context adaptive entropy encoder ~~(36)~~ is configured such that the dependency of the context from the previously coded transform coefficients via the function is

such that x_i is equal to the transform coefficient level of the previously coded transform coefficient i in case same is within the first level interval ~~(16)~~, and is equal to the maximum level of the first level interval ~~(16)~~, in case of the transform coefficient level of the previously coded transform coefficient i being within the second level interval ~~(18)~~, or

such that x_i is equal to the transform coefficient level of the previously coded transform coefficient i, independent on the transform coefficient level of the previously coded transform coefficient i being within the first or second level interval.

22. Apparatus according to claim 20 or 21, wherein the symbolization parameter determinator ~~(38)~~ is configured such that the dependency of the symbolization parameter on the previously coded transform coefficients via the function is

such that x_i is equal to the transform coefficient level of the previously coded transform coefficient i, independent from the transform coefficient level of the previously coded transform coefficient i being within the first or second level interval.

23. Apparatus according to any of claims 20 to 22, wherein the apparatus is configured such that $n_1 \leq \ldots \leq n_{d_f}$.

24. Apparatus according to any of claims 20 to 23, wherein the apparatus is configured such that h is $|x_i| - t$.

25. Apparatus according to any of claims 19 to 24, wherein the apparatus is configured to spatially determine the previously coded transform coefficients depending on a

relative spatial arrangement of the transform coefficients relative to the current transform coefficient.

26. Apparatus according to any of claims 19 to 25, wherein the apparatus is configured to determine a position of a last non-zero transform coefficient among transform coefficients of a transform coefficient block along a predetermined scan order , and to insert information on the position into the data stream, wherein the plurality of transform coefficients encompasses the transform coefficients from the last non-zero transform coefficient to a beginning of the predetermined scan order.

27. Apparatus according to claim 26, wherein the symbolizer is configured to use a modified first symbolization scheme for symbolization of the last transform coefficient in which merely non-zero transform coefficient levels within the first level interval are involved, while a zero level is presumed not to apply for the last transform coefficient.

28. Apparatus according to claim 26 or 27, wherein the context adaptive entropy encoder is configured to use a separate set of contexts for entropy encoding the first set of one or more symbols for the last non-zero transform coefficient, separate from contexts used in entropy encoding the first set of one or more symbols of other than the last non-zero transform coefficient.

29. Apparatus according to any of claims 26 to 28, wherein the context adaptive entropy encoder is configured to traverse the plurality of transform coefficients in an opposite scan order leading from the last non-zero transform coefficient to the DC transform coefficient of the transform coefficient block.

30 Apparatus according to any of claims 19 to 29, wherein the apparatus is configured to code the plurality of transform coefficients into the data stream in two scans, wherein the context adaptive entropy coder is configured to entropy encode the first and second sets of symbols for the transform coefficients into the data stream in an order corresponding to a first scan of the transform coefficients, wherein the inserter is configured to subsequently insert the third set of symbols for the transform coefficients having a transform coefficient level within the second level interval into the data stream in an order corresponding to an occurrence of the transform coefficients having a transform coefficient level within the second level interval within a second scan of the transform coefficients.

31. Apparatus according to any of claims 19 to 30, wherein the apparatus is configured to code the plurality of transform coefficients into the data stream sequentially in one scan, wherein the context adaptive entropy encoder and the inserter are configured to, for each transform coefficient in a scan order of the one scan, insert the third sets of symbols of respective transform coefficients having a transform coefficient level within the second level interval into the data stream immediately subsequent to the context adaptive entropy coder's entropy encoding of the second set of one or more symbols of the respective transform coefficients having a transform coefficient level within the second level interval into the data stream so that the third sets of symbols are interspersed into the data stream between first and second sets of symbols of the transform coefficients.

32. Apparatus according to any of claims 19 to 31, wherein the inserter is configured to insert the third set of symbols into the data stream directly or using entropy encoding using a fixed probability distribution.

33. Apparatus according to any of claims 19 to 32, wherein the first symbolization scheme is a truncated unary binarization scheme.

34. Apparatus according to any of the claims 19 to 33, wherein the second symbolization scheme is such that the third set of symbols is of a Rice code.

35. Picture encoder comprising an apparatus according to any of claims 19 to 34, wherein the picture encoder is configured to, in encoding a picture, transform blocks of the picture into transform coefficient blocks, wherein the apparatus ~~(62)~~ is configured to code a plurality of transform coefficients of the transform coefficient blocks, transform coefficient block by transform coefficient block, with using the function ~~(52)~~ for blocks of different sizes.

36. Picture encoder according to claim 35, wherein the apparatus is configured to use different sets of contexts out of which the context for the current transform coefficient is selected depending on the previously coded transform coefficients, for different frequency portions of the transform coefficient blocks.

37. An apparatus for decoding a plurality of transform coefficients ~~(12)~~ of different transform blocks, each having a transform coefficient level, from a data stream ~~(32)~~, comprising

an extractor configured to extract a set of symbols from the data stream for a current transform coefficient;

a desymbolizer configured to map the set of symbols onto a transform coefficient level for the current transform coefficient in accordance with a symbolization scheme which is parameterizable in accordance with a symbolization parameter, and

a symbolization parameter determinator configured to determine the symbolization parameter ~~(46)~~ for the current transform coefficient depending, via a function ~~(52)~~ parameterizable via a function parameter ~~(46)~~, on previously processed transform coefficients,

wherein the extractor, the symbolizer and the symbolization parameter determinator are configured to sequentially process the transform coefficients of the different transform blocks, wherein the function parameter varies depending on a size of the current transform coefficient's transform block, an information component type of the current transform coefficient's transform block and/or a frequency portion the current transform coefficient is located within the transform block.

38. Apparatus according to claim 37, wherein the apparatus is configured such that the function defining the relationship between the previously decoded transform coefficients on the one hand, and the symbolization parameter on the other hand, is

$$g(f(\mathbf{x})) \text{ where } g(x)=\sum_{i=1}^{d_f}\delta'(x,n_i) \text{ and } f(\mathbf{x})=\sum_{i=1}^{d} w_i \cdot h \cdot \delta(x_i,t)$$

with

$$\delta(x,t)=\begin{cases}1 & |x|\geq t\\ 0 & |x|<t\end{cases} \quad \text{and} \quad \delta'(x,n)=\begin{cases}1 & x>n\\ 0 & x\leq n\end{cases}$$

where

t, w_i and $\{n_1,\ldots,n_{d_f}\}=\boldsymbol{n}$ form the function parameter,

$\mathbf{x}=\{x_1,\ldots,x_d\}$ with x_i with $i\in\{1\ldots d\}$ representing a previously processed transform coefficient i,

w_i are weighting values each of which may be equal to one or unequal to one, and h is a constant or function of x_i.

39. Apparatus according to claim 38, wherein the apparatus is configured such that $n_1 \leq \ldots \leq n_{d_f}$.

40. Apparatus according to claim 38 or 39, wherein the apparatus is configured such that h is $|x_i| - t$.

41. Apparatus according to any of claims 37 to 40, wherein the apparatus is configured to spatially determine the previously processed transform coefficients depending on a relative spatial arrangement relative to the current transform coefficient.

42. Apparatus according to any of claims 37 to 41, wherein the extractor is configured to extract the set of symbols from the data stream directly or using entropy decoding using a fixed probability distribution.

43. Apparatus according to any of claims 37 to 42, wherein the symbolization scheme is such that the set of symbols is of a Rice code, and the symbolization parameter is a RICE parameter.

44. Apparatus according to any of claims 37 to 43, wherein the desymbolizer is configured to restrict the symbolization scheme to a level interval ~~(18)~~ out of a range interval ~~(20)~~ of the transform coefficients so that the set of symbols represents a prefix or suffix with respect to other portions of an overall symbolization of the current transform coefficient.

45. An apparatus for coding a plurality of transform coefficients ~~(12)~~ of different transform blocks, each having a transform coefficient level, into a data stream ~~(32)~~, comprising

a symbolizer configured to map a transform coefficient level for a current transform coefficient in accordance with a symbolization scheme which is parameterizable in accordance with a symbolization parameter, onto a set of symbols;

an inserter configured to insert the set of symbols for the current transform coefficient into the data stream; and

a symbolization parameter determinator configured to determine the symbolization parameter ~~(46)~~ for the current transform coefficient depending, via a function ~~(52)~~ parameterizable via a function parameter ~~(46)~~, on previously processed transform coefficients,

wherein the inserter, the symbolizer and the symbolization parameter determinator are configured to sequentially process the transform coefficients of the different transform blocks, wherein the function parameter varies depending on a size of the current transform coefficient's transform block, an information component type of the current transform coefficient's transform block and/or a frequency portion the current transform coefficient is located within the transform block.

46. Apparatus according to claim 45, wherein the apparatus is configured such that the function defining the relationship between the previously decoded transform coefficients on the one hand, and the symbolization parameter on the other hand, is

$$g(f(\mathbf{x})) \text{ where } g(x)=\sum_{i=1}^{d_f}\delta'(x,n_i) \text{ and } f(\mathbf{x})=\sum_{i=1}^{d} w_i \cdot h \cdot \delta(x_i,t)$$

with

$$\delta(x,t)=\begin{cases}1 & |x|\geq t\\ 0 & |x|<t\end{cases} \quad \text{and} \quad \delta'(x,n)=\begin{cases}1 & x>n\\ 0 & x\leq n\end{cases}$$

where

t, w_i and $\{n_1,\ldots,n_{d_f}\}=\boldsymbol{n}$ form the function parameter,
$\mathbf{x}=\{x_1,\ldots,x_d\}$ with x_i with $i\in\{1\ldots d\}$ representing a previously processed transform coefficient i,
w_i are weighting values each of which may be equal to one or unequal to one, and
h is a constant or function of x_i.

47. Apparatus according to claim 46, wherein the apparatus is configured such that $n_1\leq\ldots\leq n_{d_f}$.

48. Apparatus according to claim 46 or 47, wherein the apparatus is configured such that h is $|x_i|-t$.

49. Apparatus according to any of claims 46 to 48, wherein the apparatus is configured to spatially determine the previously processed transform coefficients depending on a relative spatial arrangement relative to the current transform coefficient.

50. Apparatus according to any of claims 46 to 49, wherein the inserter is configured to insert the set of symbols into the data stream directly or using entropy encoding using a fixed probability distribution.

51. Apparatus according to any of claims 46 to 50, wherein the symbolization scheme is such that the set of symbols is of a Rice code, and the symbolization parameter is a RICE parameter.

52. Apparatus according to any of claims 46 to 51, wherein the symbolizer is configured to restrict the symbolization scheme to a level interval ~~(18)~~ out of a range interval ~~(20)~~ of the transform coefficients so that the set of symbols represents a prefix or suffix with respect to other portions of an overall symbolization of the current transform coefficient.

53. Method for decoding a plurality of transform coefficients ~~(12)~~ having transform coefficient levels from a data stream ~~(32)~~, comprising

for a current transform coefficient ~~(x)~~, entropy decoding a first set ~~(44)~~ of one or more symbols from the data stream ~~(32)~~;

desymbolization mapping the first set ~~(44)~~ of one or more symbols onto a transform coefficient level within a first level interval ~~(16)~~ in accordance with a first symbolization scheme;

if the transform coefficient level onto which the first set of one or more symbols is mapped in accordance with the first symbolization scheme is a maximum level of the first level interval ~~(16)~~, extract a second set of symbols ~~(42)~~ from the data stream ~~(32)~~,

wherein the desymbolization mapping comprises mapping the second set ~~(42)~~ of symbols onto a position within a second level interval ~~(18)~~ in accordance with a second symbolization scheme which is parameterizable in accordance with a symbolization parameter,

the entropy decoding involves entropy decoding at least one predetermined symbol of the first set ~~(44)~~ of one or more symbols from the data stream ~~(32)~~ with using a context depending, via a function parameterizable via a function ~~(52)~~ parameter, with the function parameter set to a first setting, on previously decoded transform coefficients, and

wherein the method further comprises

if the transform coefficient level onto which the first set ~~(44)~~ of one or more symbols is mapped in accordance with the first symbolization scheme is a maximum level of the first level interval ~~(16)~~, determining the symbolization parameter ~~(46)~~ depending, via the function ~~(52)~~ with the function parameter set to a second setting, on the previously decoded transform coefficients.

54. Method for coding a plurality of transform coefficients having transform coefficient levels into a data stream ~~(32)~~, comprising

Symbolization mapping a current transform coefficient

onto a first set of one or more symbols in accordance with a first symbolization scheme, if the current transform coefficient's transform coefficient level is within a first level interval ~~(16)~~, and

if the current transform coefficient's transform coefficient level is within a second level interval ~~(18)~~, onto a combination of a second set of symbols onto which a maximum level of the first level interval ~~(16)~~ is mapped in accordance with the first symbolization scheme, and a third set of symbols depending on a position of the current transform coefficient's transform coefficient level within the second level interval ~~(18)~~, in accordance with a second symbolization scheme which is parameterizable in accordance with a symbolization parameter ~~(46)~~;

context adaptive entropy encoding including, if the current transform coefficient's transform coefficient level is within the first level interval, entropy encoding the first set of one or more symbols into the data stream, and, if the current transform coefficient's transform coefficient level is within the second level interval, entropy encoding the second set of one or more symbols into the data stream, wherein the

context adaptive entropy encoding involves, in entropy encoding at least one predetermined symbol of the second set of one or more symbols into the data stream, using a context depending, via a function parameterizable via a function parameter, with the function parameter set to a first setting, on previously coded transform coefficients; and

if the current transform coefficient's transform coefficient level is within the second level interval, determining the symbolization parameter ~~(46)~~ for the mapping onto the third set of symbols depending, via the function with the function parameter set to a second setting, on the previously coded transform coefficients; and

if the current transform coefficient's transform coefficient level is within the second level interval, inserting the third set of symbols into the data stream.

55. Method for decoding a plurality of transform coefficients ~~(12)~~ of different transform blocks, each having a transform coefficient level, from a data stream ~~(32)~~, comprising

extracting a set of symbols from the data stream for a current transform coefficient;

desymbolization mapping the set of symbols onto a transform coefficient level for the current transform coefficient in accordance with a symbolization scheme which is parameterizable in accordance with a symbolization parameter, and

determining the symbolization parameter ~~(46)~~ for the current transform coefficient depending, via a function ~~(52)~~ parameterizable via a function parameter ~~(46)~~, on previously processed transform coefficients,

wherein the extraction, the symbolization mapping and the determination are sequentially performed on the transform coefficients of the different transform blocks, wherein the function parameter varies depending on a size of the current transform coefficient's transform block, an information component type of the current transform coefficient's transform block and/or a frequency portion the current transform coefficient is located within the transform block.

56. Method for coding a plurality of transform coefficients ~~(12)~~ of different transform blocks, each having a transform coefficient level, into a data stream ~~(32)~~, comprising

Symbolization mapping a transform coefficient level for a current transform coefficient in accordance with a symbolization scheme which is parameterizable in accordance with a symbolization parameter, onto a set of symbols;

inserting the set of symbols for the current transform coefficient into the data stream; and

determining the symbolization parameter ~~(46)~~ for the current transform coefficient depending, via a function ~~(52)~~ parameterizable via a function parameter ~~(46)~~, on previously processed transform coefficients,

wherein the insertion, the symbolization mapping and the determination are sequentially performed on the transform coefficients of the different transform blocks, wherein the function parameter varies depending on a size of the current transform coefficient's transform block, an information component type of the current transform coefficient's transform block and/or a frequency portion the current transform coefficient is located within the transform block.

57. Computer program having a program code for performing, when running on a computer, a method according to any of claims 53 to 56.