

Block coding

2012-08 Encoder and Method

Granted Patents:

[JP 6245888](#)

[KR 1687863](#)

[CN 103596008 B](#)

[TW I505694](#)

[US 9258389](#)

[US 8,675,731 B2](#)

[GB 2503295 B](#)

[RU 2 553 103 C2](#)

[US 10333547](#)

Pending applications:

[IN 2340/MUM/2013](#)

[BR 102013020622-9](#)

2012-08 Decoder and Method

Granted Patents:

[GB 2505169 B](#)

[US 9538239](#)

[KR 1758954](#)

[CN 103596009 B](#)

[TW 102128926](#)

[RU 2 559 691 C2](#)

[US 10412414](#)

Pending applications:

[IN 2341/MUM/2013](#)

[BR 102013020614-8 A2](#)

Coding methods

2012-10 Encoder, Decoder and Method

Granted Patents:

[KR 1687865](#)

[RU 2567988](#)

[TW TWI511528](#)

[US 9,245,353](#)

[GB 2507127 B](#)

[CN 103780909B](#)

Pending applications:

[IN 3246/MUM/2013](#)

2013-07 Extrapolation Method

Granted Patents:

[GB 2516425](#)

[JP 2016-524406](#)

[US 10,244,260](#)

[CN 105556850B](#)

Pending applications:

[WO 2015/007389 A1](#)

[IN IN201627001416](#)

2013-07 Interpolation Method

Granted Patents:

[GB 2516426 B](#)

[US 10,178,388](#)

[RU 2683614](#)

Pending applications:

[WO 2015/007390 A1](#)

KR 10-2016-7003289

[EP 3022844](#)

2014-06 Efficient coding of block-internal changes

Granted Patents:

[GB 2527588](#)

[US 9,859,920 B1](#)

[KR 1781776](#)

[RU 2639677 C1](#)

Pending applications:[WO 2015/197201 A1](#)[EP 3161965A0](#)**Encoders, decoders and methods employing quantization****Granted Patents:**[GB 2552223](#)[US 10542257](#)**Pending applications:**[WO 2018/010852](#)[JP 2019-527959](#)[EP 3485638](#)[CN 109565597 A](#)

Data reuse and dictionaries

2009 Image Generator

Granted Patents:

[FI 127117](#)

[CN 102138328 B](#)

[RU 2 493 600 C2](#)

[US 8,649,427](#)

2012-12 Encoder, Decoder and Method

Granted Patents:

[GB 2509055 B](#)

[JP 6021792](#)

[KR 1737158](#)

[TW 1549485](#)

[RU 2613031](#)

[US 10,255,315](#)

Allowed Applications:

[CN 103873863 A](#)

Pending applications:

[IN 3703/MUM/2013](#)

[BR 10 2013 031748-9 A2](#)

2014-06 Apparatus and method for data compression

Granted Patents:

[GB 2527099 B](#)

[JP 6457558](#)

Pending applications:

[WO 2015/188951](#)

US 15316046

EP 3155538

2014-04 Deduplication method for redundant media data

Granted Patents:

[GB 2525448](#)

Allowed Applications:

[US 2017/0041021 A1](#)

Pending applications:

[WO 2015/165594A1](#)

EP 3138203

2014-06 Deduplication method for partially changed data

Granted Patents:

[GB 2527607](#)

[US 9735805](#)

[CN 106489241 B](#)

Pending applications:

[WO 2015/197202](#)

Entropy modifiers

2013-03 Entropy Modifier and method

Granted Patents:[GB 2511493 B](#)[RU 2611249 C1](#)[JP 6073506](#)[US 8,754,791 B1](#)[CN 105164923 B](#)**Allowed Applications:**

KR 10-2015-7024996

Pending applications:[WO 2014/131526 A1](#)[EP 2962396](#)

2013-03 Encoder, Decoder and method

Granted Patents:[JP 6045123](#)[US 8,810,439 B1](#)[GB 2511355 B](#)[CN 105359418 B](#)[KR 10-1610610 \(B1\)](#)[RU 2595916](#)**Pending applications:**[WO 2014/131517 A1](#)[IN 2157/MUMNP/2015](#)[EP 2962398](#)

2013-03 Data Encoder, Data Decoder and method

Granted Patents:[JP 6431487](#)[US 8,823,560 B1](#)[GB 2507603 B](#)[CN 105191145 B](#)[KR 10-1610609 \(B1\)](#)**Pending applications:**[WO 2014/131527 A1](#)[IN 2155/MUMNP/2015](#)[EP 2962399](#)

2014-02 Encoder Apparatus, Decoder Apparatus and Method**Granted Patents:**[US 8,933,826 B2](#)[CN 105409129](#)**Pending applications:**

GB 1403641.2

[WO 2014/131528 A1](#)[IN 2837/MUMNP/2015](#)[EP 2962397](#)**2014-07 Encoder, decoder and method****Granted Patents:**[GB 2528460](#)[RU 2693902 C2](#)[US 10,531,110 B2](#)**Pending applications:**[WO 2016/012105 A1](#)[JP 2017-526252](#)

KR 10-2017-7001810

EP 3172897

2015-06 Encoders, Decoders and Methods utilizing Mode Symbols**Granted Patents:**[GB 2539239](#)[US 10,116,328 B2](#)

RU 2709656

Pending applications:[WO 2016/198169 A1](#)

KR 10-2018-7000752

EP 3469711

Entropy coding information delivery

2014-02 Codetable delivery

Granted Patents:[GB 2523348 B](#)[RU 2682009](#)[JP 6195997](#)[US 9729169](#)[EP 3108584](#)[KR 1737294](#)**Allowed Applications:**[CN 106170921 A](#)**Pending applications:**[WO 2015/124324 A1](#)

IN 201617031604

2014-02 Delivery of range coding probabilities

Granted Patents:[GB 2523347](#)[US 10,003,356 B2](#)[RU 2630750](#)[CN 106170922 B](#)**Pending applications:**[WO 2015/124323 A1](#)

KR 10-2016-7022055

[EP 3108583A1](#)

2015-11 Range coding with adaptive probabilities

Granted Patents:[GB 2543844](#)[US 10340946](#)**Pending applications:**[WO 2017/071826 A1](#)

2015-06 Palette encoding comprising compressing the palette

Granted Patents:[GB 2539486](#)**Pending applications:**[WO 2016/202469 A1](#)

[US 2018/0176585 A1](#)

Utilization of type and format conversion

2014-12 Encoding or decoding image, video or audio data using data format analysis

Granted Patents:

[GB 2533111 B](#)

Pending applications:

[WO 2016/091395 A1](#)

EP 3231181

[US 2017/0332106 A1](#)

2014-12 Lossless encoding or decoding data incorporating a data format transformation

Granted Patents:

[GB 2533109](#)

Pending applications:

[WO 2016/091397 A1](#)

EP 3231180

2015-06 Encoding data using different palettes for different parts of the input data

Granted Patents:

[GB 2539488](#)

Pending applications:

[WO 2016/202470 A1](#)

[US 2018/160129 A1](#)

2015-09 Method of operating data memory and device utilizing method

Granted Patents:

[GB 2541916](#)

[US 10303389](#)

Pending applications:

[WO 2017/036606 A1](#)

Communication technologies

2013-04 Communication system utilizing HTTP

Granted Patents:[GB 2513344 B](#)[US 9787770](#)[JP 6444988](#)[RU 2635220](#)[KR 1655715](#)[EP 2989774](#)**Allowed Applications:**[CN 105340242A](#)**Pending applications:**[WO 2014/173521 A1](#)[IN 2992/MUMNP/2015](#)

2013-04 Data communication system and method

Granted Patents:[GB 2513345](#)[US 9413797](#)[US 8,984,158 B2](#)[EP 2989800](#)**Allowed Applications:**[KR 20160003024\(A\)](#)[CN 105493510 A](#)**Pending applications:**[WO 2014/173519 A1](#)

2015-03 Method of Communicating Data Packets within Data Communication Systems

Granted Patents:[GB 2536299](#)[US 10367873](#)[KR 1921015](#)**Pending applications:**[WO 2016/146269](#)[EP 3269110](#)

Cooperation of Device and Display - PATENT FAMILY FOR SALE

Granted Patents:

[CN ZL201380045613.0](#)

[FI 124940 B](#)

[US 9,189,429](#)

Pending applications:

[WO 2014/033369 A1](#)

EP 2 891 305

2013-04 Server node arrangement and method

Granted Patents:

[GB 2514543](#)

[US 10,250,683](#)

Allowed Applications:

RU 2015143011

Pending applications:

[WO 2014/173520 A1](#)

[IN 3014/MUMNP/2015](#)

EP 2989789

[CN 105379261A](#)

2013-04 Communications using at least two different media types

Granted Patents:

[EP 2797279](#)

[US 8,717,403](#)

[RU 2642352 C2](#)

Pending applications:

[WO 2014/174145 A1](#)

2014-04 Additional information on a caller

Granted Patents:

[EP 2 933 987 B1](#)

[US 10,057,396](#)

[RU 2700173 C2](#)

Allowed Applications:

CN 201580027666.9

Pending applications:

[WO 2015/158779 A1](#)

KR 10-2016-7028851

JP 2016-562758

[US 2019/0320053 A1](#)

IN 201617036920

2017-07 Data Communication System and Method**Allowed Applications:**[GB 2564430](#)**Pending applications:**[WO 2019/008130 A1](#)

EP 18743703.3

US 16/628,863

CN 201880038400.8

RU 2019143002

Security and Secure payment solutions

2014-09 Partial Data Encryption

Granted Patents:

[GB 2526636](#)

[CN 107078901 B](#)

[JP 6608436](#)

[US 10320557](#)

[EP 3195519](#)

Pending applications:

[WO 2016/041641 A1](#)

2014-08 Integration of encoding and encryption

Granted Patents:

[GB 2528959](#)

[US 10,237,248](#)

RU 2638639

[EP 3178190](#)

[KR 1737299](#)

Pending applications:

[WO 2016/020068 A1](#)

2014-12 Secure Media Player

Granted Patents:

[GB 2533279](#)

Pending applications:

[WO 2016/091394 A1](#)

[US 2017/0353745 A1](#)

2015-04 Encryption system, encryption key wallet and method

Granted Patents:

[GB 2538052](#)

Pending applications:

[WO 2016/173724 A1](#)

[EP 3289723](#)

[US 2018/0144341 A1](#)

2016-04 Transaktiojärjestely

Granted Patents:

[FI 127624B](#)

[FI 128035B](#)

Pending applications:

[WO 2017/187007 A1](#)

EP 3433812

2016-09 User Sign-In and Authentication without Passwords

Granted Patents:

[GB 2554082](#)

Allowed Applications:

RU 2019106197

Pending applications:

[WO 2018050293](#)

US 16/333,401

[CN 109716725 A](#)

EP 17768363,8

2016-12 Protecting usage of key store content

Granted Patents:

[GB 2556638B](#)

Pending applications:

[WO 2018/099606 A1](#)

EP 17837851,9

CN 201780072591.5

US 16/464,454

RU 2019116964

2016-12 Remote (bio-)authentication

Pending applications:

[WO 2018/114053 A1](#)

Data Transfer Method

Pending applications:

[WO 2019/025376 A1](#)

System and Method for Creating Group Networks between Network Devices

Pending applications:

[GB 2572982A](#)

PCT /EP2019060114

Method for providing Protected Data Storage in Data memory**Pending applications:**

GB 1814149.9

PCT /EP2019/073247

Utilization of change detectors

2004 Processing of Video Image

Granted Patents:

[US 9,225,989](#)

[FI 117845 B](#)

[US 8,169,547](#)

[EP 1 787 262 B1](#)

[CN 101002232 B](#)

[RU 2 370 908 C2](#)

2012-05 Processing of Image

Granted Patents:

[US 9,232,228](#)

[EP 2 661 081 B1](#)

2013-06 Processing and reproduction of frames

Granted Patents:

[US 9,509,991](#)

[JP 6363181](#)

[CN 105474644B](#)

[JP 6363181](#)

[CN 105474644B](#)

Other Technologies

2009 Image Pattern Recognition

Granted Patents:

[US 8,615,137](#)

[RU 2 487 408 C2](#)

[CN 101957918 B](#)