

SEARCH HISTORY

Application Number	PCT/US 19/63698
Search Conducted By	RLP
Search Approved By	RLP

CPC/IPC Classifications Searched	CPC: H04N 19/15, H04N 19/126, H04N 19/17, H04N 19/167, H04N 19/198 IPC(8): H04N 19/126 (2020.01)
Date Conducted	03 February 2020 (03.02.2020)

Documentation Searched	CPC: H04N 19/15, H04N 19/126, H04N 19/17, H04N 19/167, H04N 19/198 IPC(8): H04N 19/126 (2020.01)
Search Terms Used	encode video frames blocks divide OR partition group area OR region average quantize
Date Conducted	03 February 2020 (03.02.2020)

Electronic Database Searched	Patbase
Files Searched	Full-text: AU BE BR CA CH CN DE DK EP ES FI FR GB IN JP KR SE TH TW US WO Bibliographic: (Europe) AT BA BE BG CH CS CY CZ DD DK EE ES FI GE GR HR HU IE IS IT LT LU LV MC MD MT NL NO PL PT RO RS SE SI SK SM TR UA YU (Asia) EA GC HK ID IL IN KZ MN MY PH RU SG SU TH TJ TW UZ VN (North America) CA CR CU DO GT HN MX NI PA SV TT (South America) AR BR CL CO EC PE UY (Australasia) AU NZ (Africa) AP DZ EG KE MA MW OA ZA ZM ZW
Date Conducted	03 February 2020 (03.02.2020)

Search Logic:

Search 12: CPC=(H04N19/15 or H04N19/126 or H04N19/17 or H04N19/167 or H04N19/198) or IC=(H04N19/126) (Results 8439)

Search 13: 12 and FT=((receiv* or transmi* or stream* or send* or deliver*) w9 (video or "video frame*" or image* or frame* or signal*)) (Results 5892)

Search 14: 13 and FT=((segment* or divid* or partition*) w9 (video* or frame*)) (Results 2495)

Search 15: 14 and FT=((segment* or divid* or partition*) w9 block*) (Results 1719)

Search 16: 15 and FT=((group* or subset or set) wf4 (block* or sub-block* or macroblock*)) (Results 585)

Search 17: 16 and FT=(encod* w9 (quantizat* or QP)) (Results 414)

Search 18: 17 and FT=((area or region) w12 quantiz*) (Results 112)

Search 19: 17 and FT=((face or facial) w7 (detect* or recogn* or identi or character* or semantic*)) (Results 12)

Search 20: 17 and FT=(average* w9 quanti*) (Results 91)

Search 1: FT=((receiv* or transmi* or stream* or send* or deliver*) w9 (video or "video frame*")) (Results 408854)

Search 2: 1 and FT=((segment* or divid* or partition*) w9 (video* or frame*)) (Results 53109)

Search 3: 2 and FT=(encod* w9 granul*) (Results 223)

Search 4: 3 and FT=((segment* or divid* or partition*) w9 block*) (Results 192578)

Search 4: 3 and FT=((segment* or divid* or partition*) w9 block*) (Results 152)

Search 5: 2 and FT=((segment* or divid* or partition*) w9 block*) (Results 15876)

Search 6: 5 and FT=((group* or subset or set) wf4 (block* or sub-block*)) (Results 3997)

Search 7: 6 and FT=("measure of information" or (multipl* w9 sum)) (Results 146)

Search 8: 7 and FT=(encod* w9 (quantizat* or QP)) (Results 48)

Search 9: 8 and FT=((face or facial) w7 (detect* or recogn* or identi or character* or semantic*)) (Results 4)

Search 10: 8 not 9 (Results 44)

Search 11: 6 and FT=((area or region) w12 quantiz*) (Results 197)

Electronic Database Searched	Google
Files Searched	Google Scholar
Date Conducted	03 February 2020 (03.02.2020)
Search Logic:	
About 64,500 results (0.09 sec) encode video frames blocks	
About 29,500 results (0.10 sec) encode video frames blocks divide OR partition	
About 26,800 results (0.14 sec) encode video frames blocks divide OR partition group	

About 26,400 results (0.14 sec) encode video frames blocks divide OR partition group area OR region

About 14,100 results (0.12 sec) encode video frames blocks divide OR partition group area OR region
average quantize

About 6,190 results (0.12 sec) encode video frames blocks divide OR partition group area OR region
average quantize face OR facial