

(12) 특허협력조약에 의하여 공개된 국제출원

(19) 세계지식재산권기구
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(81) 지정국 (별도의 표시가 없는 한, 가능한 모든 종류의 국
내 권리의 보호를 위하여): AE, AG, AL, AM, AO, AT,
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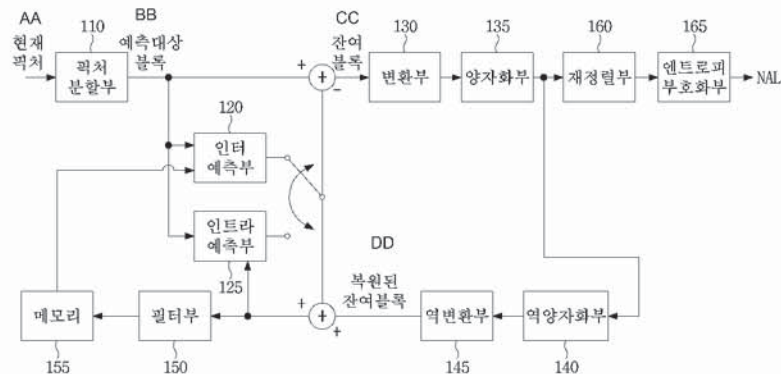
(84) 지정국 (별도의 표시가 없는 한, 가능한 모든 종류의 역
내 권리의 보호를 위하여): ARIPO (BW, GH, GM, KE,
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(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML,
MR, NE, SN, TD, TG).

공개:

— 국제조사보고서와 함께 (조약 제21조(3))

(54) Title: INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE

(54) 발명의 명칭: 인트라 예측 기반의 영상 부호화/복호화 방법 및 장치



110 ... Picture division unit
120 ... Inter prediction unit
125 ... Intra prediction unit
130 ... Conversion unit
135 ... Quantization unit
140 ... Inverse quantization unit
145 ... Inverse conversion unit
150 ... Filter unit
155 ... Memory
160 ... Rearrangement unit
165 ... Entropy encoding unit
AA ... Current picture
BB ... Prediction target block
CC ... Residual block
DD ... Reconstructed residual block

(57) Abstract: A video encoding/decoding method and device according to the present invention may: determine a reference area for the intra prediction of the current block; derive the intra prediction mode of the current block; and decode the current block on the basis of the reference area and the intra prediction mode.

(57) 요약서: 본 발명에 따른 영상 부호화/복호화 방법 및 장치는, 현재 블록의 인트라 예측을 위한 참조 영역을 결정하고, 현재 블록의 인트라 예측 모드를 유도하며, 참조 영역과 인트라 예측 모드를 기반으로 현재 블록을 복호화할 수 있다.



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From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

CHOE, Yun Seo
YUN IP LAW, 501, 26-1, Seoun-ro
Seocho-gu
Seoul 06731
RÉPUBLIQUE DE CORÉE

Date of mailing (day/month/year) 22 October 2020 (22.10.2020)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference OPZZ190031PC	
International application No. PCT/KR2019/018740	International filing date (day/month/year) 30 December 2019 (30.12.2019)

1. The following indications appeared on record concerning:		
☒ the applicant	☒ the inventor	☐ the agent
☐ the common representative		
Name and Address KIM, Ki Baek 102, 20-18, Sageundong-gil, Seongdong-gu, Seoul 04762 Republic of Korea	State of Nationality KR	State of Residence KR
	Telephone No.	
	Facsimile No.	
	E-mail address	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☐ the name	☒ the address
☐ the nationality		
☐ the residence		
Name and Address KIM, Ki Baek 205ho, 18dong, 282, Cheongsa-ro, Seo-gu, Daejeon 35206 Republic of Korea	State of Nationality KR	State of Residence KR
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
☒ the receiving Office	☐ the International Preliminary Examining Authority	
☐ the International Searching Authority	☒ the designated Offices concerned	
☐ the Authority(ies) specified for supplementary search	☐ the elected Offices concerned	
	☐ other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Chang Yong Su e-mail pct.team1@wipo.int Telephone No. +41 22 338 74 01
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From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

CHOE, Yun Seo
YUN IP LAW, 501, 26-1, Seoun-ro
Seocho-gu
Seoul 06731
République de Corée

Date of mailing (day/month/year) 25 February 2021 (25.02.2021)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference OPZZ190031PC	
International application No. PCT/KR2019/018740	International filing date (day/month/year) 30 December 2019 (30.12.2019)

1. The following indications appeared on record concerning:

☒ the applicant

 ☒ the inventor

 ☐ the agent

 ☐ the common representative

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	Telephone No.	
	Facsimile No.	
	E-mail address	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person

 ☐ the name

 ☐ the address

 ☐ the nationality

 ☐ the residence

Name and Address B1 INSTITUTE OF IMAGE TECHNOLOGY 1213-ho, 525, Gonghangdae-ro, Gangseo-gu, Seoul 07563 Republic of Korea 비원 영상기술연구소 대한민국 07563 서울시 강서구 공항대로 525, 1213호	State of Nationality KR	State of Residence KR
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	

3. Further observations, if necessary:

The person identified in Box 2 has been added as applicant for all designated States. The person identified in Box 1 is now inventor only.

4. A copy of this notification has been sent to:

☒ the receiving Office
☐ the International Searching Authority
☐ the Authority(ies) specified for supplementary search

☐ the International Preliminary Examining Authority
☒ the designated Offices concerned
☐ the elected Offices concerned
☐ other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Kim Jihye e-mail pct.team1@wipo.int Telephone No. +41 22 338 74 01
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From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

CHOE, Yun Seo
YUN IP LAW, 501, 26-1, Seoun-ro
Seocho-gu
Seoul 06731
République de Corée

Date of mailing (day/month/year) 10 March 2021 (10.03.2021)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference OPZZ190031PC	
International application No. PCT/KR2019/018740	International filing date (day/month/year) 30 December 2019 (30.12.2019)

1. The following indications appeared on record concerning:

☒ the applicant
 ☐ the inventor
 ☐ the agent
 ☐ the common representative

Name and Address B1 INSTITUTE OF IMAGE TECHNOLOGY 1213-ho, 525, Gonghangdae-ro, Gangseo-gu, Seoul 07563 Republic of Korea 비원 영상기술연구소 대한민국 07563 서울시 강서구 공항대로 525, 1213호	State of Nationality KR	State of Residence KR
	Telephone No.	
	Facsimile No.	
	E-mail address	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person
 ☒ the name
 ☐ the address
 ☐ the nationality
 ☐ the residence

Name and Address B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. 1213-ho, 525, Gonghangdae-ro, Gangseo-gu, Seoul 07563 Republic of Korea 주식회사 비원 영상기술연구소 대한민국 07563 서울시 강서구 공항대로 525, 1213호	State of Nationality KR	State of Residence KR
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office
☐ the International Searching Authority
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☐ the International Preliminary Examining Authority
☒ the designated Offices concerned
☐ the elected Offices concerned
☐ other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Kim Jihye e-mail pct.team1@wipo.int Telephone No. +41 22 338 74 01
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