

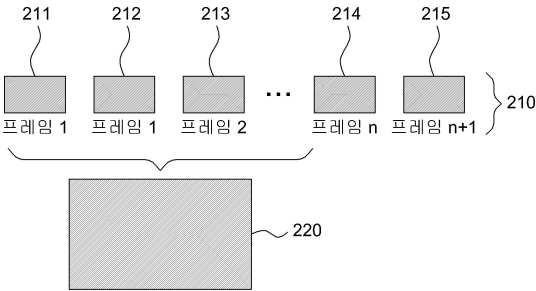
	(19) (12)	(KR) (A)	(11) (43)	10-2010-0038694 2010 04 15
(51)	Int. Cl.		(71)	
	H04N 7/24 (2006.01)			
(21)	10-2008-0097755			253
(22)	2008 10 06		(72)	
	2008 10 06			3
			(74)	
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(54) ,

(57)

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SoC Near-lossless CODEC

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[0001]

[0002]

[0003]

(sub-pel) (half-pel), 1/4 1/8 (prediction error)

[0004]

(Linear interpolation)

[0005]

[0006]

[0007]

(prediction error)

[0008]

[0009]

[0010] , ;

[0011] ; ,

[0012] ; ,

[0013] ,

[0014] (prediction error) .

[0015] , .

[0016] 1 (100) .

[0017] 1 (100) (Low resolution: LR)
(101) , (102)
(103) (102)
(104)

[0018] , (105) (105) (101)
(102)

[0019] , (101) (104)

[0020] (101) 2 .

[0021] , (103) (super-resolution: SR)
(registration) 1

[0022] , (104) ,

[0023] , (103) (104) 1/4

[0024] (104) 3 4 .

- [0025] 2 (101) .
- [0026] (100) 2 (211,
212, 213, 214, 215) .
- [0027] , n n(214) , (103) n(214)
k (211, 212, 213)
(220) . (101) (220) n(214)
.
- [0028] , (104) (220) n(214)
.
- [0029] 3 .
- [0030] , 2:1 ,
2:1 (sub-sampling)
(301) (302)
(303)
.
- [0031] , (301) (302) .
- [0032] ,
(304) (303) .
- [0033] , (304) (301) 8 * 8 .
- [0034] , 1/4 (quarter-pel)
linear interpolation) . (bi-
- [0035] (104)
(prediction error) .
- [0036] 4 3 .
- [0037] (104) 1/4 (quarter-pel)
(103) .
- [0038] (103)
(104)
.
- [0039] , 1/4 1/2 2 . 1/2
2:1 4:1
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- [0040] , 4
(401) (402) 1/4
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- [0041] , (403) (404)
1/2 (401) 4 * 4 .
- [0042] , (403) (403)

3 (405) .

[0043] , 1/4 (404) (403) .

[0044] (104)

(prediction error) .

[0045] 5 (500) .

[0046] 5 (500) , (501) , (502) .

[0047] , (503) , (504) .

[0048] , (501) , (502) , .

[0049] , (502) , .

[0050] , , .

[0051] , .

[0052] , .

[0053] 1 .

[0054] 2 .

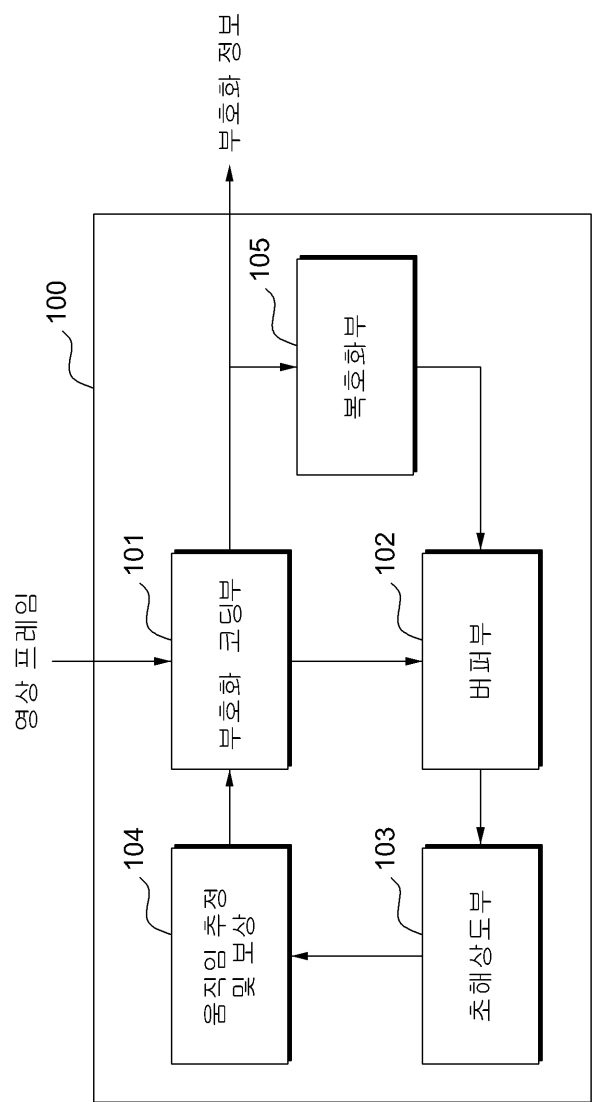
[0055] 3 .

[0056] 4 3 .

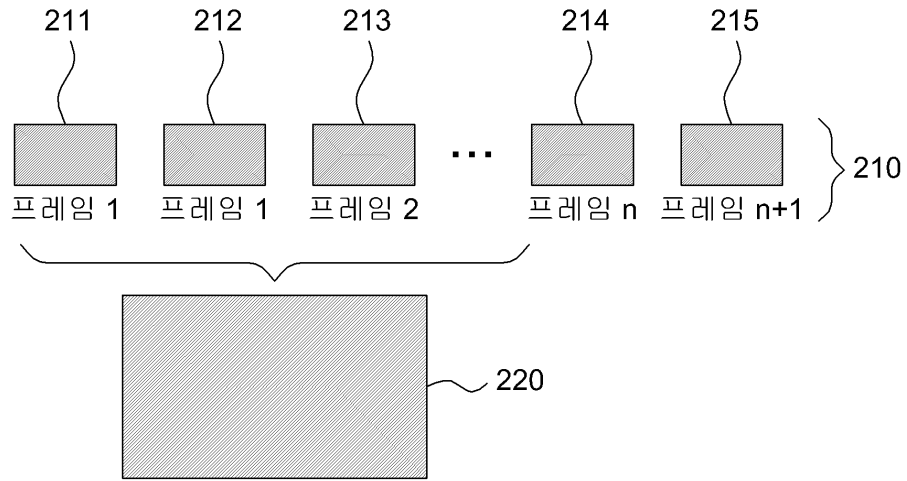
[0057] 5 .

[0058]

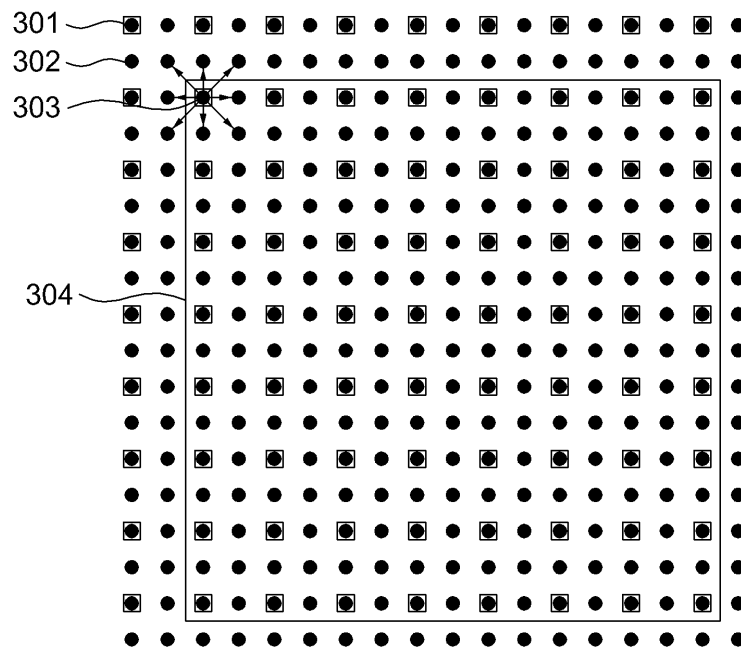
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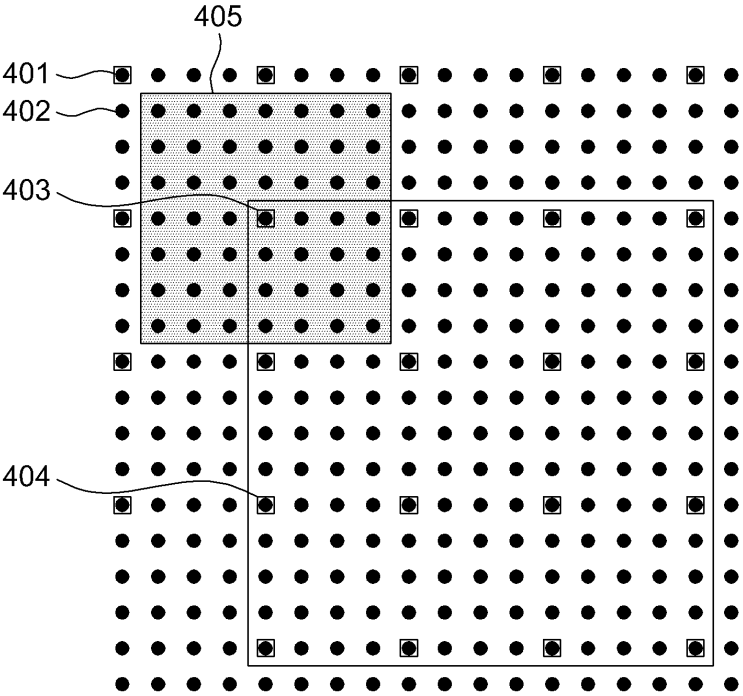
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