

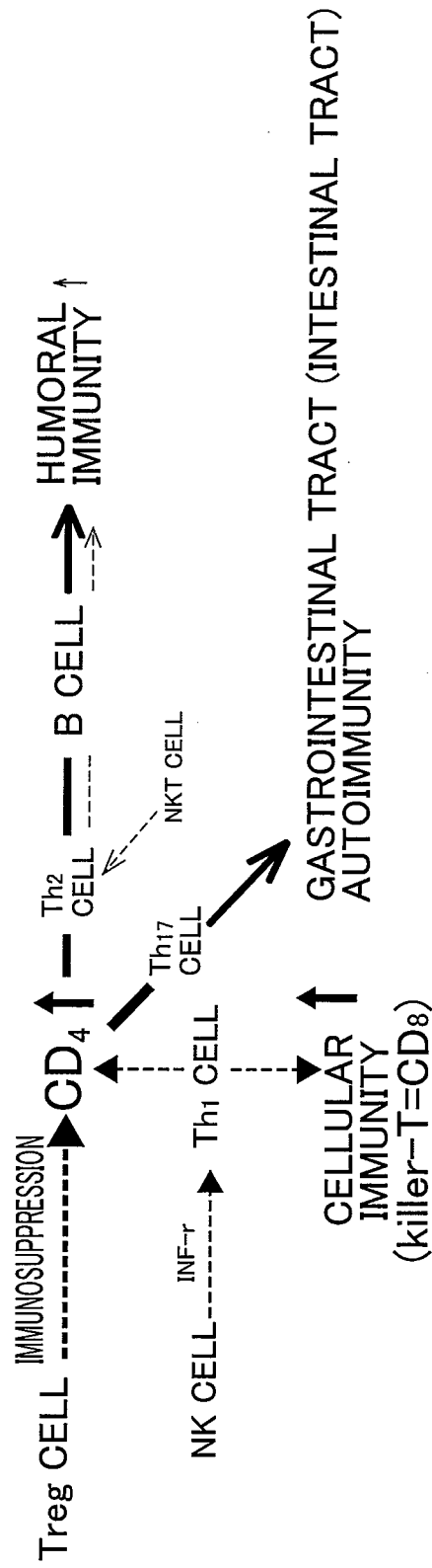
FIG.1A

TO oo CLINIC				DOCTOR		
COLLECTION DATE XX (YEAR) XX (MONTH) XX (DAY)		RECEPTION DATE XX (YEAR) XX (MONTH) XX (DAY)		DEPARTMENT		
REPORTING DATE XX (YEAR) XX (MONTH) XX (DAY)		OUTPATIENT/HOSPITALIZATION				
MEDICAL CHART No.		AGE				
NAME OF PATIENT		SEX				
ITEM NAME	RESULT	REFERENCE VALUE				
NUMBER OF WHITE BLOOD CELL	WBC	x x	3,500 ~ 9,700 / μ l			
NUMBER OF RED BLOOD CELL	RBC	x x	M 438 ~ 577 x10 ⁴ / μ l F 376 ~ 518			
HEMOGLOBIN CONTENT	Hb	x x	M 13.6 ~ 18.3 F 11.2 ~ 15.2 g/dl			
HEMATOCRIT	Ht	x x	M 40.4 ~ 51.9 F 34.3 ~ 45.2 %			
M C V	MCV	x x	M 83 ~ 101 F 80 ~ 101 fl			
M C H	MCH	x x	M 28.2 ~ 34.7 F 26.2 ~ 34.3 pg			
MCHC	MCHC	x x	M 31.8 ~ 36.4 F 31.3 ~ 36.1 %			
NUMBER OF PLATELET	PLATELET	x x	14.0 ~ 37.9 x10 ⁴ / μ l			
RETICULOCYTE	RETICULAR		0.1 ~ 2.6 %			
WHITE BLOOD CELL IMAGE	Baso	B	x x	0 ~ 2 %		
	Eosino	E	x x	0 ~ 7 %		
	Neutro	N	x x	42 ~ 74 %		
	Stab	St		0 ~ 19 %		
	Seg	Seg		27 ~ 72 %		
	Lympho	L	x x	18 ~ 50 %		
	Mono	Mon	x x	1 ~ 8 %		
	OTHER 1		x x			
	OTHER 2		x x			
	EBL	EBL	x x			
RED BLOOD CELL MORPHOLOGY	DIFFERENCE IN SIZE		(—)			
	MALFORMATION		(—)			
	POLYCHROMASIA		(—)			
	NUCLEATED		(—)			
(SPECIFIC GRAVITY OF WHOLE BLOOD)		GB		M 1.055 ~ 1.093 F 1.052 ~ 1.090		
COMPLETION OF TEST	TOTAL	XX SCORE	XX (YEAR) XX (MONTH) XX (DAY)			

FIG.1B

TO oo CLINIC					
DOCTOR					
COLLECTION DATE XX (YEAR) XX (MONTH) XX (DAY)		DEPARTMENT			
RECEPTION DATE XX (YEAR) XX (MONTH) XX (DAY)		OUTPATIENT/HOSPITALIZATION			
REPORTING DATE XX (YEAR) XX (MONTH) XX (DAY)		AGE SEX			
MEDICAL CHART No. NAME OF PATIENT					
ITEM NAME	RESULT	REFERENCE VALUE	SCORE		
#CD3	x x	58.6 ~ 89.0 %	x x		
#Two-color					
# CD4+ CD8+	x x	0.2 ~ 0.4 %			
# CD4+ CD8-	x x	30.2 ~ 40.2 %			
# CD4- CD8+	x x	21.5 ~ 30.5 %			
# CD4- CD8-	x x	33.4 ~ 43.6 %			
#Two-color					
# CD16+ CD56+	x x	%	x x		
# CD16+ CD56-	x x	%			
# CD16- CD56+	x x	%			
# CD16- CD56-	x x	%			

FIG.2



* ENHANCEMENT OF Th1 IMMUNITY = SYSTEMIC KILLING POWER OF CANCER

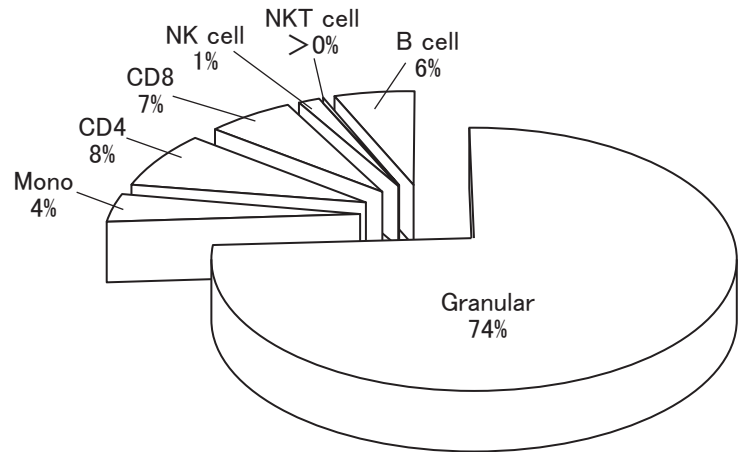
* SOLE KILLING POWER

- Th1 CELLULAR IMMUNITY = NK + CD8 (KILLER T CELL)
- Th2 HUMORAL IMMUNITY = NKT + B CELL
- Th17 (GASTROINTESTINAL TRACT)
- Treg = IMMUNOSUPPRESSION (REGULATORY T-CELL)

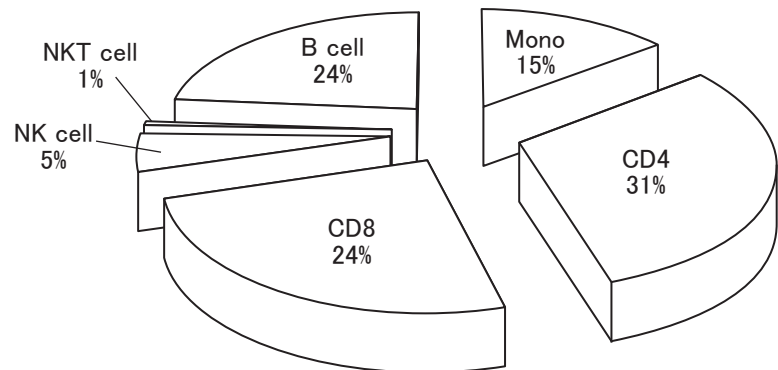
FIG.3

RENAL CANCER (TEN MILLION)	
WHITE BLOOD CELL	1904
GRANULOCYTE	1129
MONOCYTE	99
LYMPHOCYTE	676
T CELL	477
NON-T CELL	199
CD4	209
CD8	166
NK CELL	35
NKT CELL	6.7
B CELL	161
GRANULOCYTE	1129
MONOCYTE	99
CD4	209
CD8	166
NK CELL	35
NKT CELL	6.7
B CELL	161

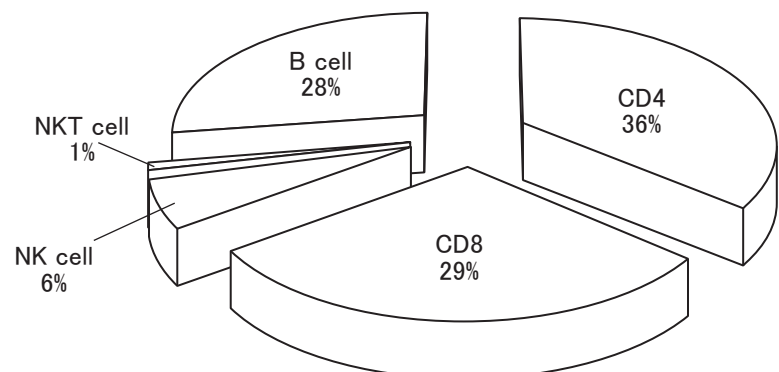
(A)



(B)



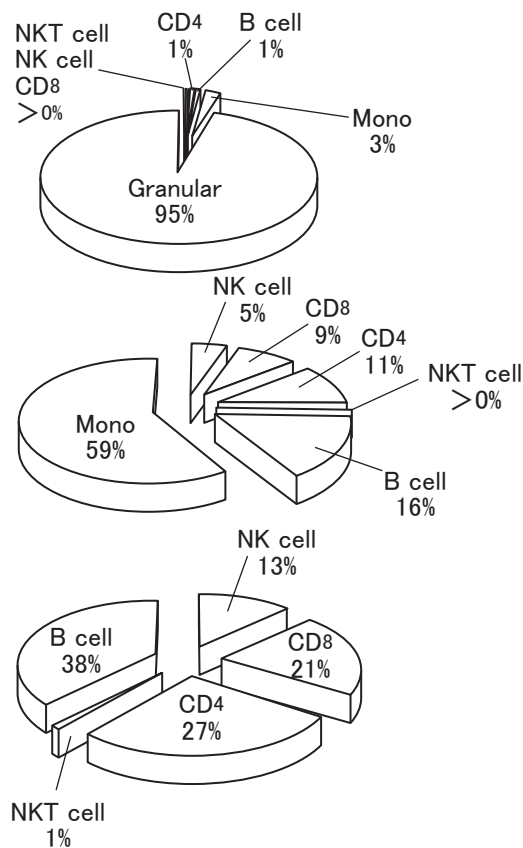
(C)



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FIG.4A

CASE OF IMMUNOSUPPRESSION BY ANTICANCER AGENT

END-STAGE ESOPHAGEAL CANCER AGE 56 MALE
EXAMPLE OF DEATH DURING MEDICAL TREATMENT WITH ANTICANCER AGENT
(CLINICAL DATA AT 2 DAYS BEFORE DEATH)



EXTREMELY ABNORMAL DECREASE
IN NUMBER OF CD4 LYMPHOCYTE
WHICH IS CENTER OF IMMUNE SYSTEM

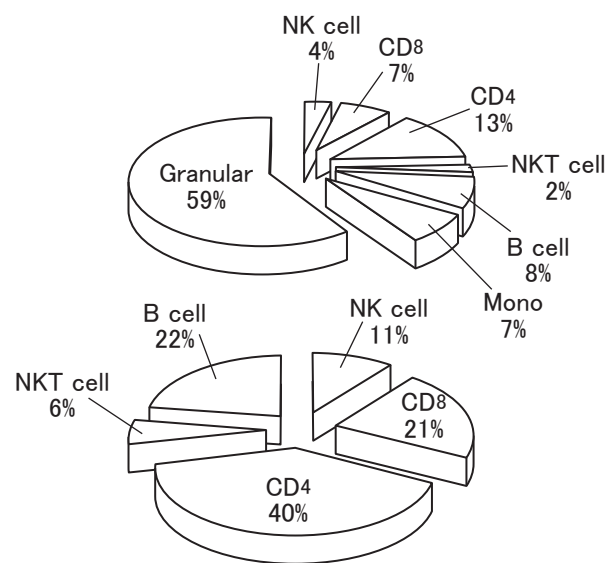
•GRANULOCYTE : MONOCYTE : LYMPHOCYTE
= 95 ↑ : 3 : 2 ↓ %

•CD4≈46/μl <100/μl
(STRONG CRISIS STATE OF IMMUNITY)

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FIG.4B

CASE OF IMMUNOSUPPRESSION BY ANTICANCER AGENT

HEALTHY SUBJECT AGE 94 FEMALE



GRANULOCYTE : MONOCYTE : LYMPHOCYTE = 59 : 7 : 34%

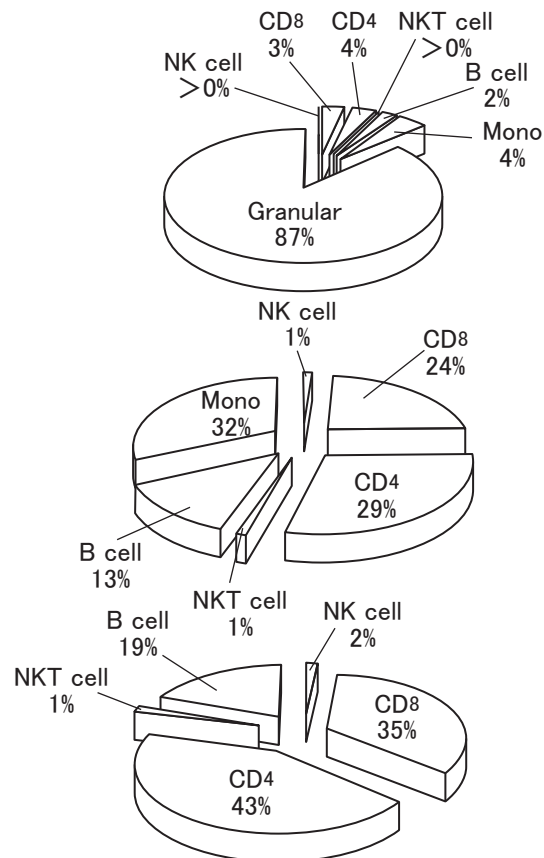
•NORMAL SUBJECT (IDEAL RATIO)
 •GRANULOCYTE : MONOCYTE : LYMPHOCYTE
 = 60 : 5 : 35%

•LYMPHOCYTE WHICH IS CENTER OF IMMUNE SYSTEM = HELPER T CELL
 CD4=741/ μ l < 600/ μ l
 (SHOWING HIGH NUMBER OF NORMAL IMMUNITY)

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FIG.4C

CASE OF IMMUNOSUPPRESSION BY ANTICANCER AGENT

COLON CANCER AGE 79 FEMALE
(RECEIVED TREATMENT WITH ANTICANCER AGENT UNTIL ONE YEAR AGO)



IMMUNOCOMPROMISED STATE CONTINUED
DESPITE WITHDRAWAL OF ANTICANCER AGENT
ONE YEAR AGO AND APPROXIMATELY SEMIPERMANENT
IMMUNOSUPPRESSION WAS SHOWN

• GRANULOCYTE : MONOCYTE : LYMPHOCYTE
= 87 ↑ : 4 : 9 ↓ %

• CD4 ≈ 240 / μ l < 400 / μ l
(IMMUNE DEPRESSION)

CHRONIC RHEUMATOID ARTHRITIS	
AGE 82 FEMALE	(TEN MILLION)
NK CELL	64
CD8	33
CD4	87
NKT CELL	5
B CELL	146
MONOCYTE	111
GRANULOCYTE	1665
T CELL	203
Th1/Lym %	29
Th2/Lym %	71
B CELL /Lym %	44
B/CD4 > 1	
Eosino.(%)	0.2
(EOSINOPHIL)	

ATOPIC DERMATITIS	
AGE 34 MALE	(TEN MILLION)
NK CELL	38
CD8	199
CD4	193
NKT CELL	4.8
B CELL	288
MONOCYTE	121
GRANULOCYTE	1578
T CELL	600
Th1/Lym %	32
Th2/Lym %	68
B CELL /Lym %	40
B/CD4 > 1	
Eosino.(%)	6.1
(EOSINOPHIL)	

FIG.5

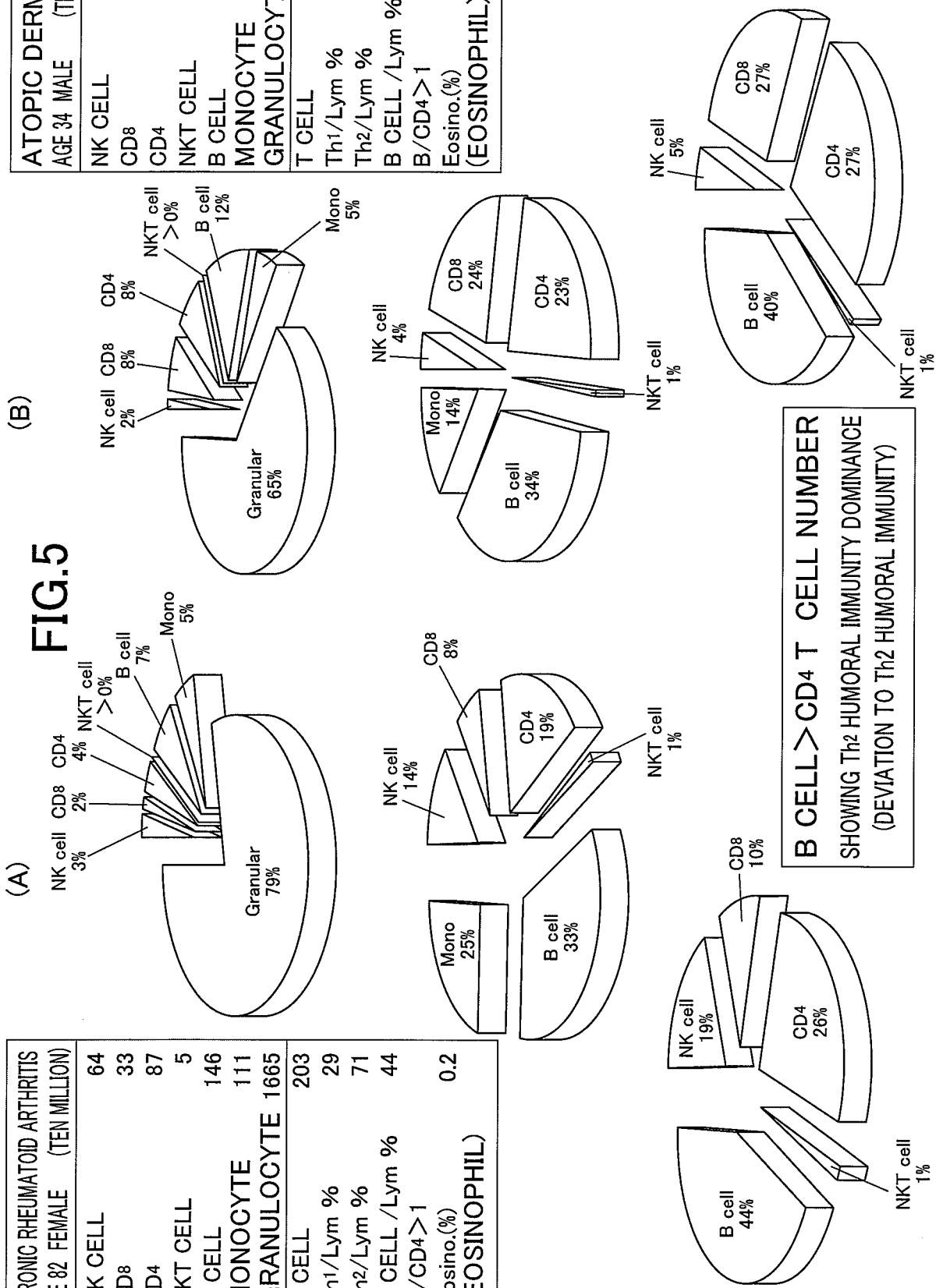


FIG.6A

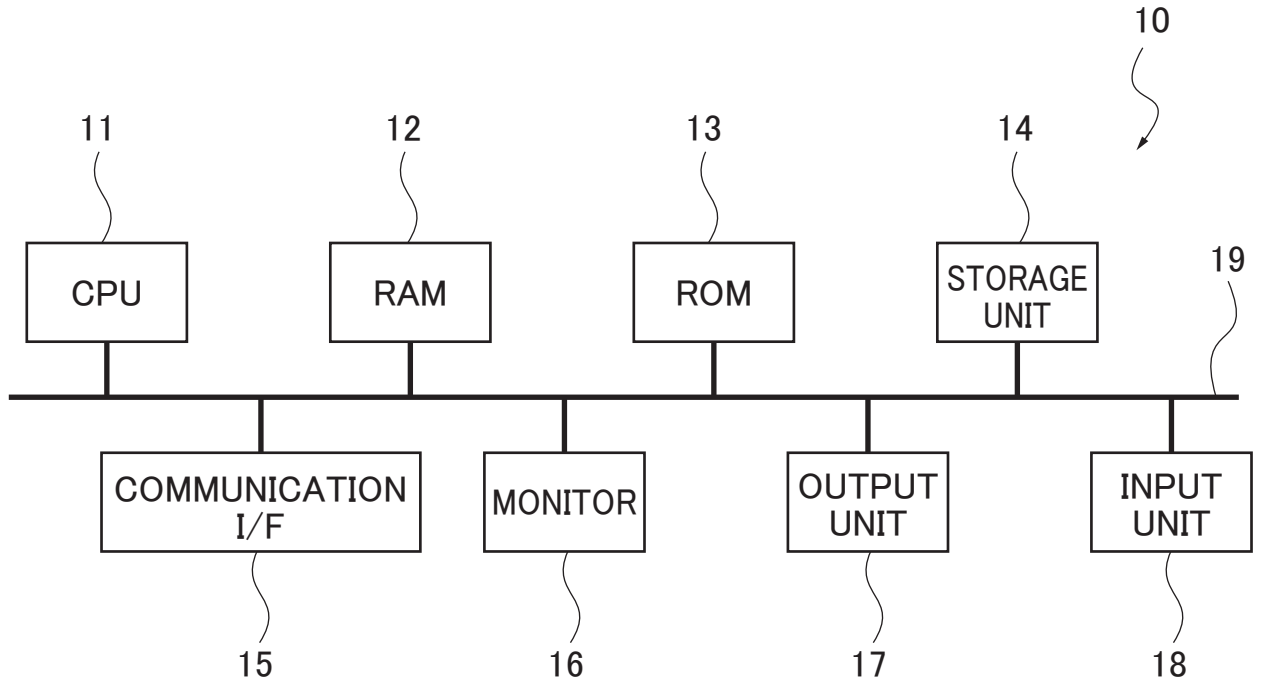


FIG.6B

