RECORDING IN MEDIA

IMAGE TAKING SEQUENCE

SHUTTER BUTTON ON?

YES

IMAGE TAKING CONDITIONS AND IMAGE PROCESSING MODE ARE READ

OBJECT DISTANCE MEASUREMENT

PAN–FOCUS IMAGE CREATION MODE?

YES

FUNCTION OF PAN–FOCUS IMAGE CREATING PORTION IS TURNED OFF

IMAGE TAKING LENS IS DRIVEN

IRIS DIAPHRAGM IS SET

CCD INTEGRATION

IMAGE DATA IS READ

NO

FUNCTION OF PAN–FOCUS IMAGE CREATING PORTION IS TURNED OFF

RECORDING IN MEDIA

FIG. 6
FIG. 7

S11
OBJECTS
EXIST AT THE THIRD
DISTANCE?

YES

S12
NO

WITHIN DEPTH OF
FIELD?

YES

NO

S13
IRIS DIAPHRAGM IS
SET

S14
IMAGE TAKING LENS
IS DRIVEN SO AS TO
FOCUS ON THE FIRST
OBJECT

S15
CCD INTEGRATION

S16
IMAGE DATA IS READ
OUT

S17
IMAGE TAKING LENS
IS DRIVEN SO AS TO
FOCUS ON THE SECOND
OBJECT

S18
CCD INTEGRATION

S19
IMAGE DATA IS READ
OUT

S20
PAN–FOCUS IMAGE IS
CREATED

S21
RECORDING IN MEDIA

S22
WARNING SOUND IS
GENERATED

S23
WARNING MESSAGE IS
DISPLAYED
PAN-FOCUS IMAGE CREATION PROCESSING

S40
PLURALLY OF IMAGES ARE READ

S41
OBJECTS EXIST AT THE THIRD DISTANCE?

YES

S42
WITHIN DEPTH OF FIELD?

NO

S43
PAN-FOCUS IMAGE IS CREATED

NO

S44
IMAGE IS STORED

END

FIG. 9
FIG. 11

BLUR-CONTROL PROPRIOETY DISCRIMINATOR

BLUR-CONTROL PROCESSING CONTROL PORTION

IMAGE PICK-UP MOTION CONTROL PORTION

BLUR-CONTROL PROCESSING PORTION

IMAGE PICK-UP PORTION
RECORDING
IN MEDIA

IMAGE TAKING
SEQUENCE

B

SHUTTER BUTTON
ON?

S51

YES

IMAGE TAKING
CONDITIONS AND IMAGE
PROCESSING MODE ARE
READ

S52

OBJECT DISTANCE
MEASUREMENT

S53

BLUR-CONTROL
MODE?

S54

YES

C

NO

FUNCTION OF
BLUR-CONTROL
PROCESSING IS TURNED
OFF

S55

IMAGE TAKING LENS IS
DRIVEN

S56

IRIS DIAPHRAGM IS SET

S57

CCD INTEGRATION

S58

IMAGE DATA IS READ

S59

S60

RECORDING IN MEDIA

FIG.13
YES
S61
DISTANCE DISTRIBUTION IS SMALL?

NO

S62
IMAGE TAKING MAGNIFICATION DIFFERENCE IS LARGE?

YES

S63
BLUR DEGREE IS SET

NO

S64
IRIS DIAPHRAGM IS SET

S65
IMAGE TAKING LENS IS DRIVEN SO AS TO FOCUS ON THE FIRST OBJECT

S66
CCD INTEGRATION

S67
IMAGE DATA IS READ OUT

S68
IMAGE TAKING LENS IS DRIVEN SO AS TO FOCUS ON THE SECOND OBJECT

S69
CCD INTEGRATION

S70
IMAGE DATA IS READ OUT

S71
PAN-FOCUS IMAGE IS CREATED

S72
RECORDING IN MEDIA

S73
WARNING SOUND IS GENERATED

S74
WARNING MESSAGE IS DISPLAYED

B

FIG. 14
BLUR-CONTROL PROCESSING

S80 PLURALITY OF IMAGES ARE READ

S81 DISTANCE DISTRIBUTION IS SMALL?

YES

S82 IMAGE TAKING MAGNIFICATION DIFFERENCE IS LARGE?

YES

S83 BLUR DEGREE IS SET

S84 BLUR-CONTROL PROCESSING

S85 IMAGE IS STORED

END

FIG. 15