Fig. 1

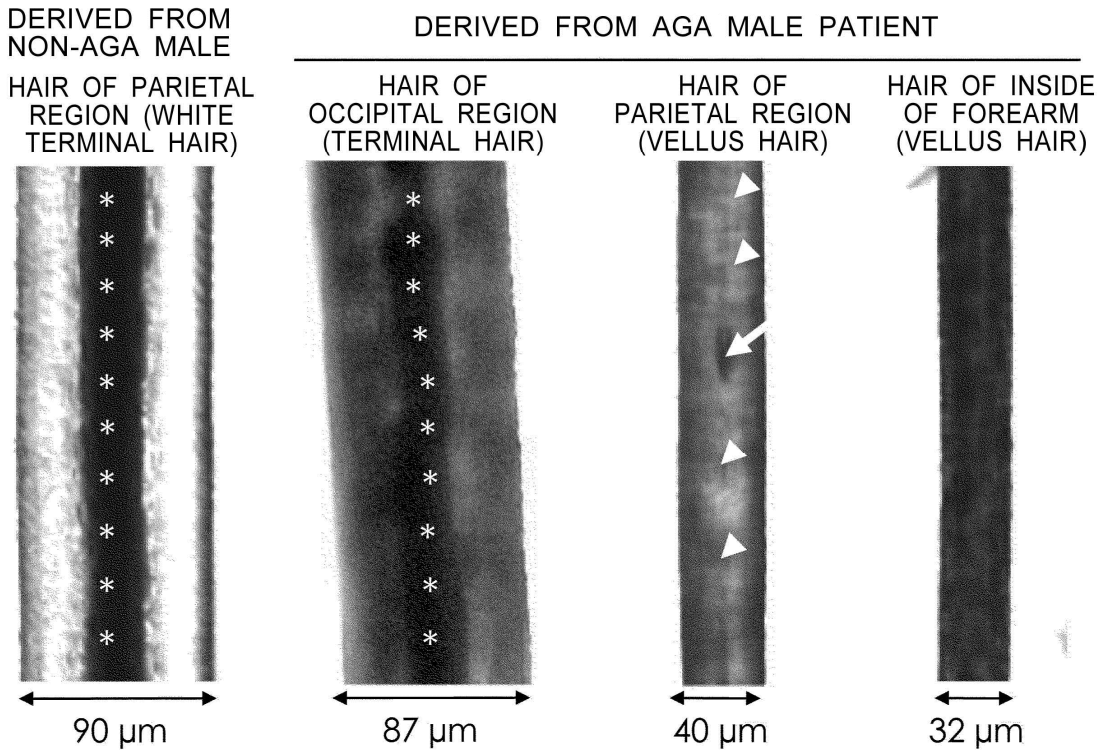

DERIVED FROM NON-AGA MALE
DERIVED FROM AGA MALE PATIENT
HAIR OF PARIETAL REGION (WHITE TERMINAL HAIR)
HAIR OF OCCIPITAL REGION (TERMINAL HAIR)
HAIR OF PARIETAL REGION (VELLUS HAIR)
HAIR OF INSIDE OF FOREARM (VELLUS HAIR)
90 μm
87 μm
40 μm
32 μm

Fig. 2

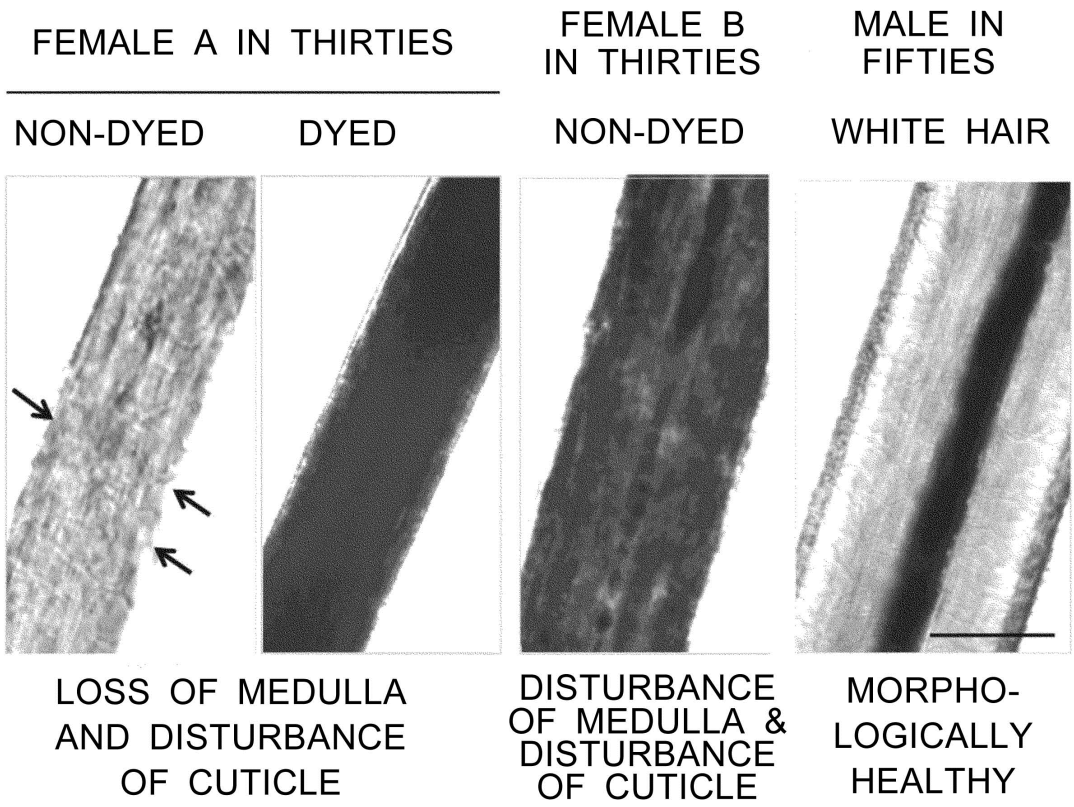

FEMALE A IN THIRTIES
FEMALE B IN THIRTIES
MALE IN FIFTIES
NON-DYED
DYED
NON-DYED
WHITE HAIR
LOSS OF MEDULLA AND DISTURBANCE OF CUTICLE
DISTURBANCE OF MEDULLA & DISTURBANCE OF CUTICLE
MORPHO-LOGICALLY HEALTHY

Fig. 3

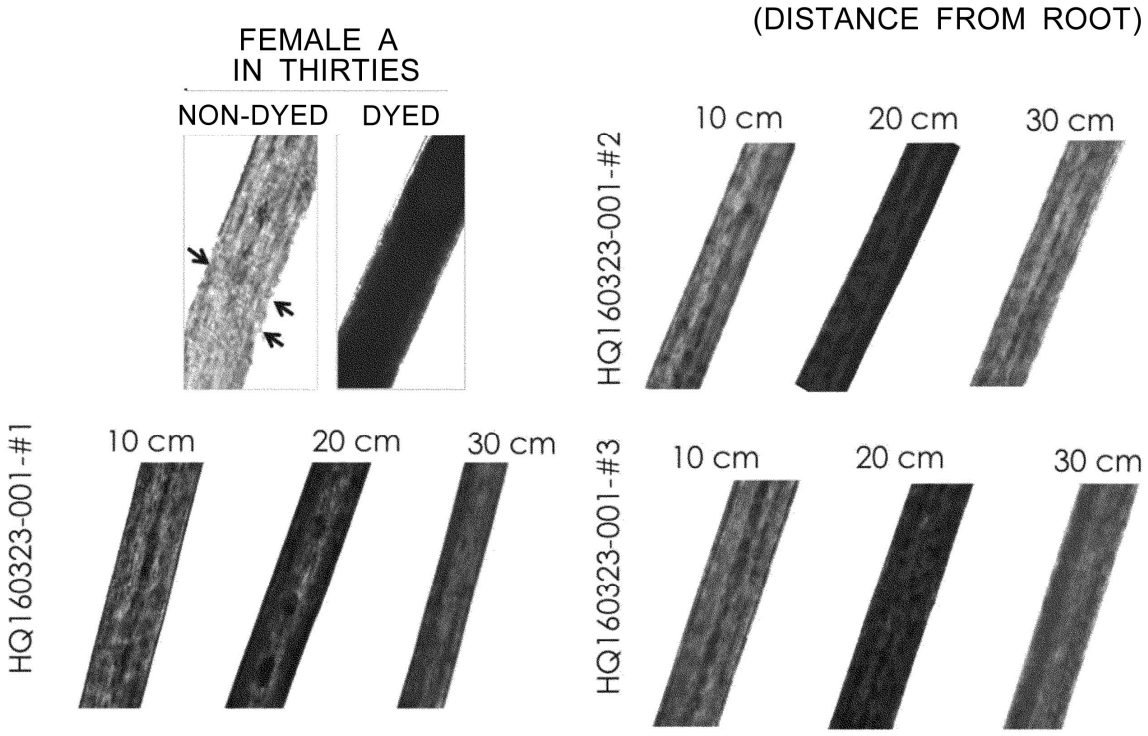

FEMALE A
IN THIRTIES
NON-DYED
DYED
(DISTANCE FROM ROOT)
HQ160323-001-#1
10 cm
20 cm
30 cm
HQ160323-001-#2
10 cm
20 cm
30 cm
HQ160323-001-#3
10 cm
20 cm
30 cm

Fig. 4

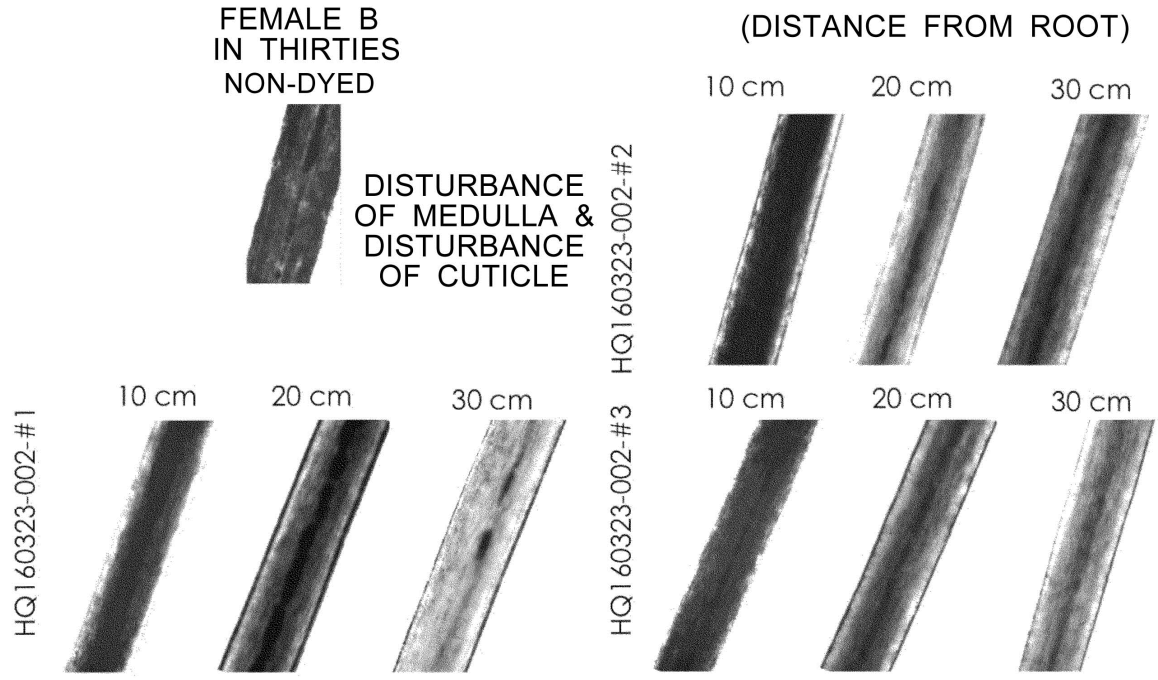

FEMALE B
IN THIRTIES
NON-DYED
DISTURBANCE
OF MEDULLA &
DISTURBANCE
OF CUTICLE
(DISTANCE FROM ROOT)
HQ160323-002-#1
10 cm
20 cm
30 cm
HQ160323-002-#2
10 cm
20 cm
30 cm
HQ160323-002-#3
10 cm
20 cm
30 cm

Fig. 5

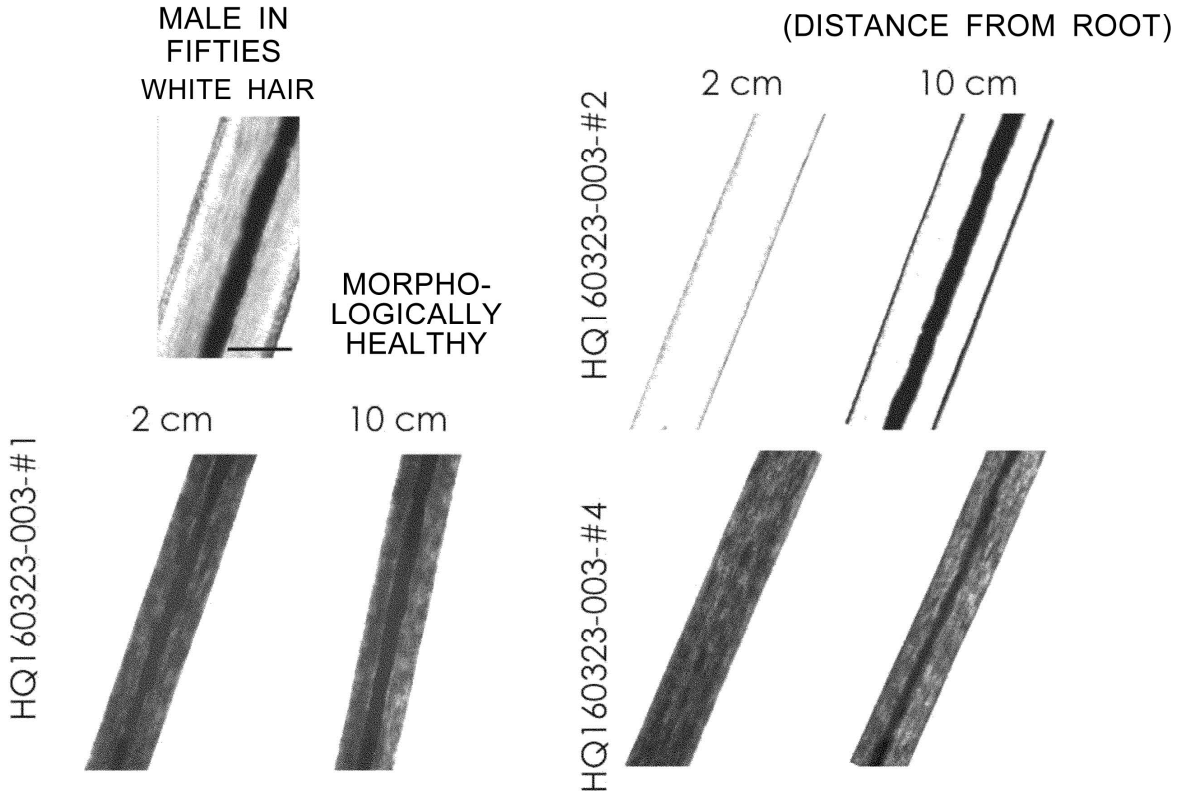

MALE IN
FIFTIES
WHITE HAIR
MORPHO-
LOGICALLY
HEALTHY
(DISTANCE FROM ROOT)
2 cm
10 cm
HQ160323-003-#2
2 cm
10 cm
HQ160323-003-#1
HQ160323-003-#4

Fig. 6

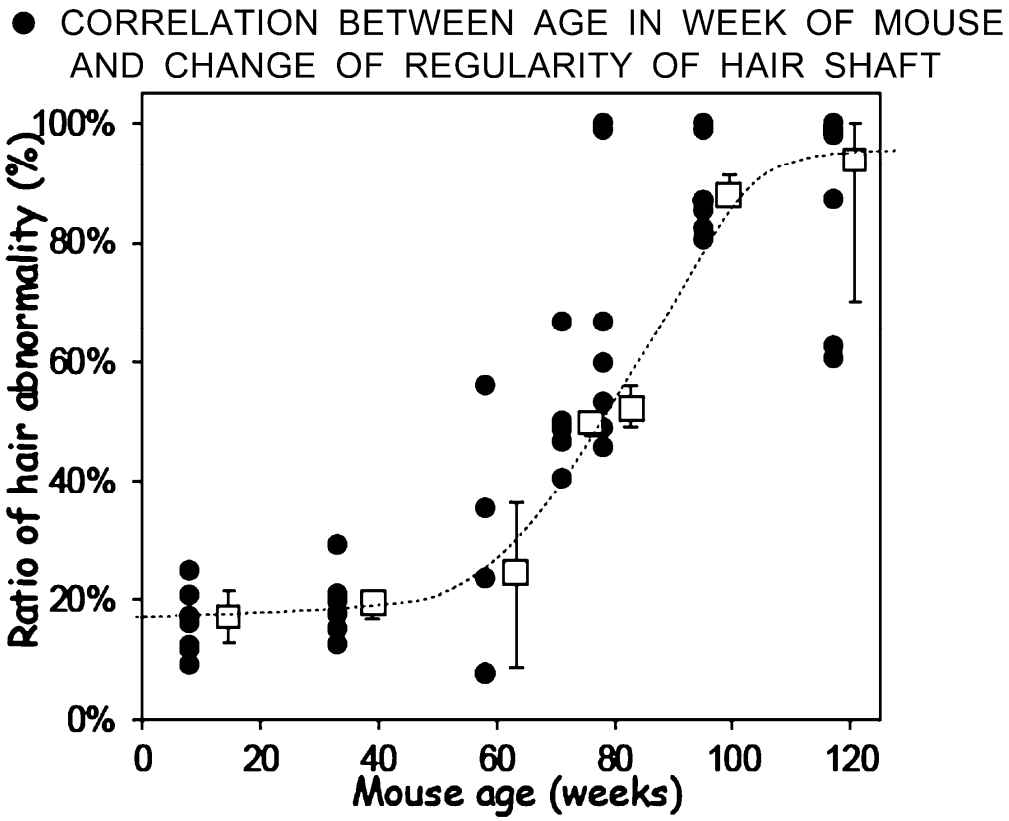

CORRELATION BETWEEN AGE IN WEEK OF MOUSE
AND CHANGE OF REGULARITY OF HAIR SHAFT
Ratio of hair abnormality (%)
100%
80%
60%
40%
20%
0%
0
20
40
60
80
100
120
Mouse age (weeks)

Fig. 7

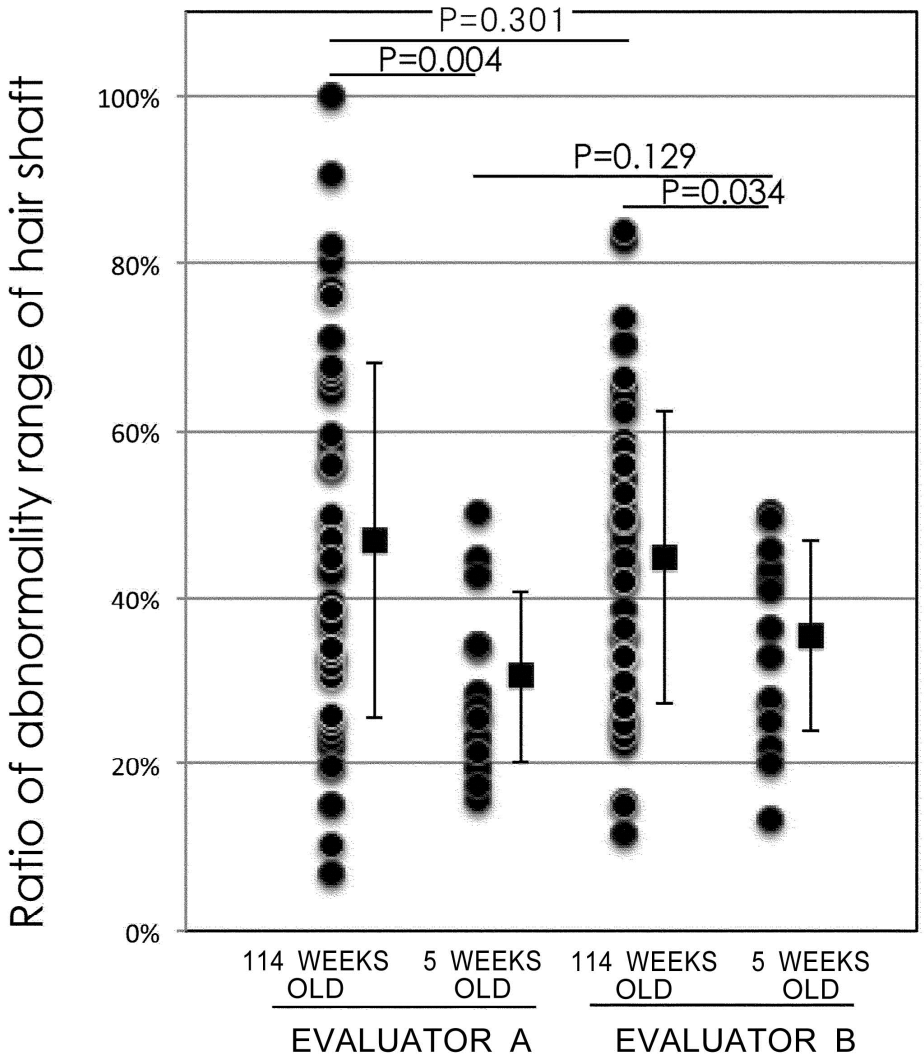
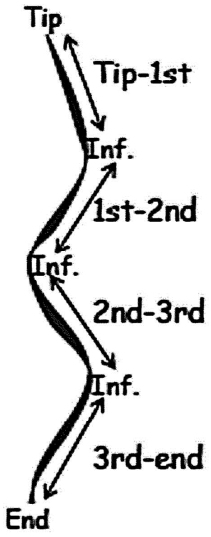
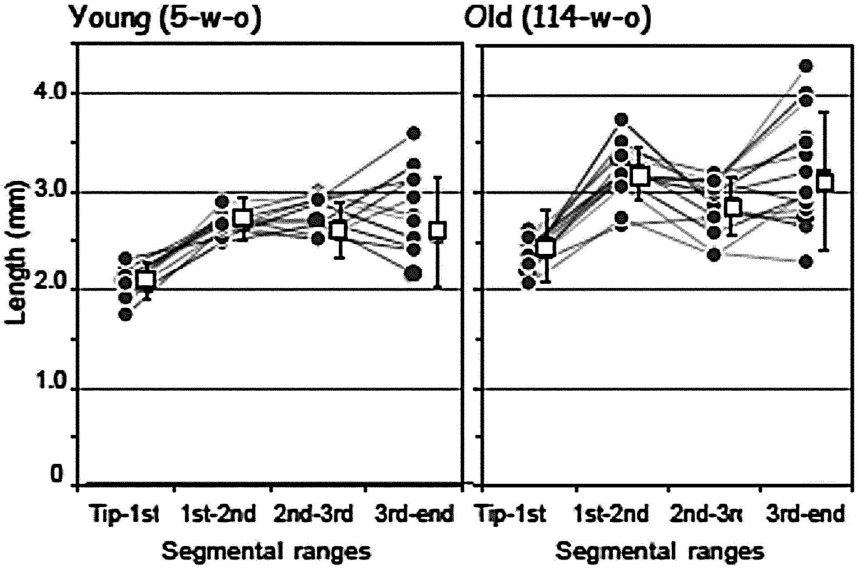

P=0.301
P=0.004
P=0.129
P=0.034
100%
80%
60%
40%
20%
0%
Ratio of abnormality range of hair shaft
114 WEEKS OLD
5 WEEKS OLD
114 WEEKS OLD
5 WEEKS OLD
EVALUATOR A
EVALUATOR B

Fig. 8

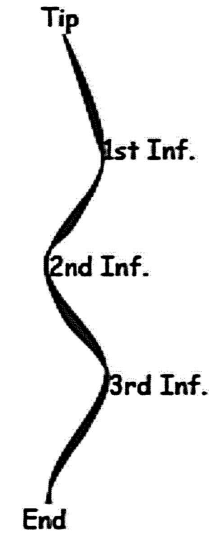
● MEASUREMENT RANGE



● CHANGE OF DISTANCE BETWEEN INFLECTION POINTS CAUSED BY AGING



● MEASUREMENT POSITION



● CHANGE OF POSITION OF INFLECTION POINT IN ZIGZAG HAIR SHAFT CAUSED BY AGING

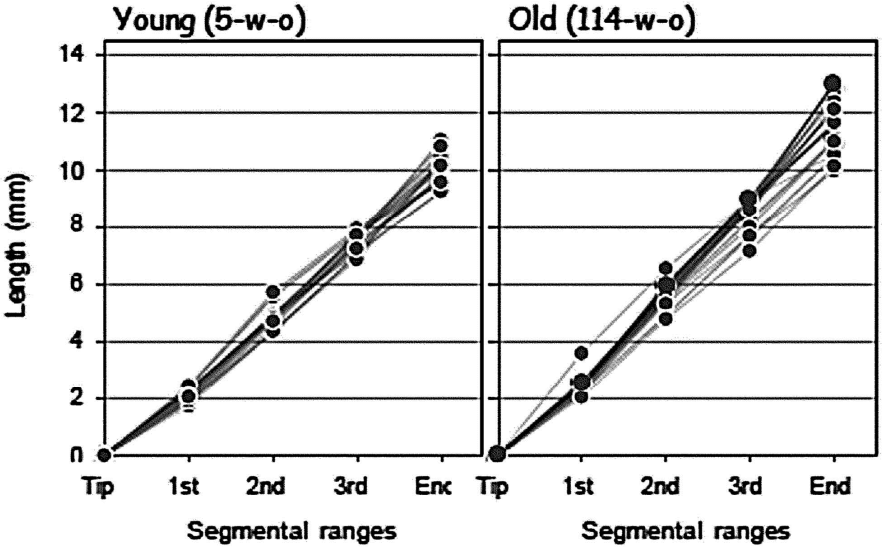


Fig. 9

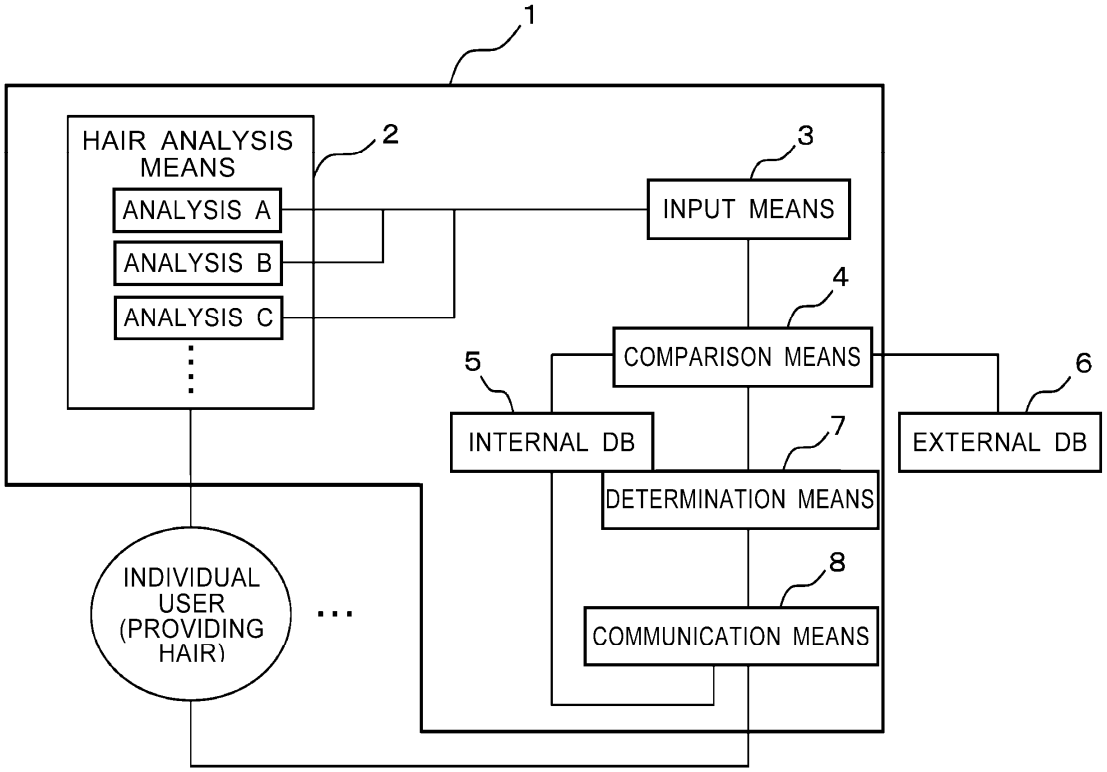
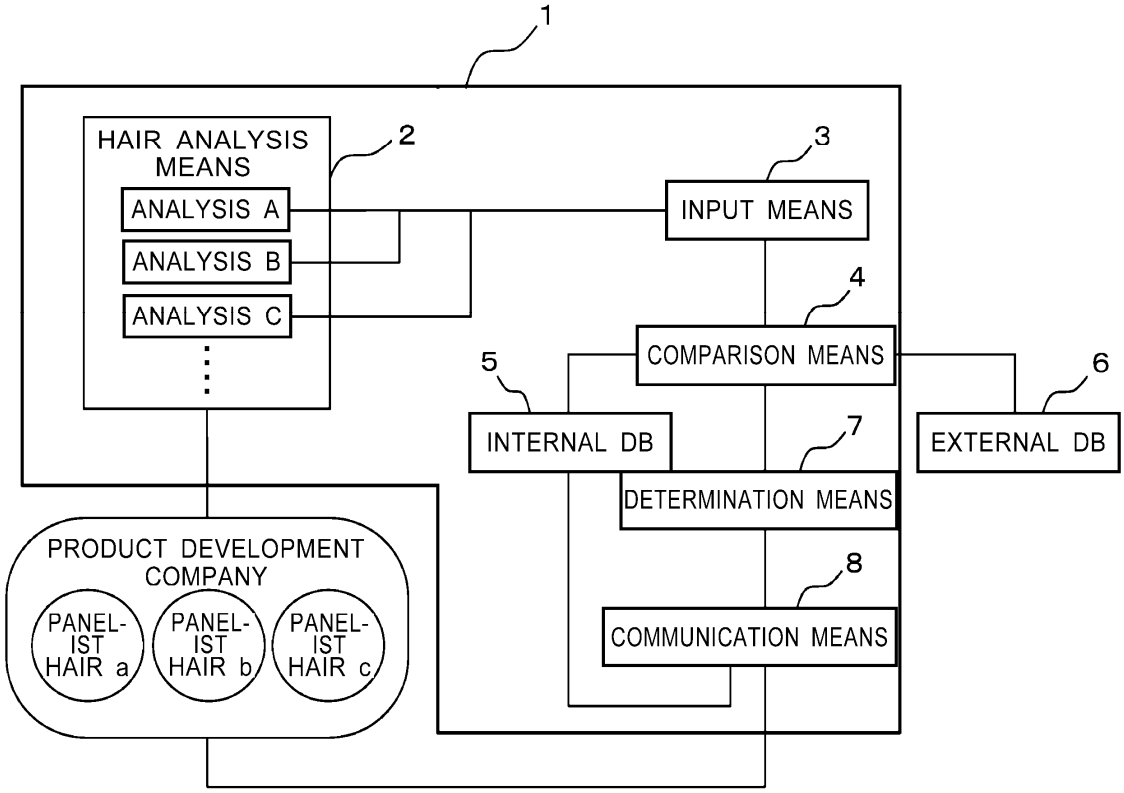

1
HAIR ANALYSIS MEANS
2
ANALYSIS A
ANALYSIS B
ANALYSIS C
3
INPUT MEANS
4
COMPARISON MEANS
5
INTERNAL DB
6
EXTERNAL DB
7
DETERMINATION MEANS
8
COMMUNICATION MEANS
INDIVIDUAL USER (PROVIDING HAIR)

Fig. 10


1
HAIR ANALYSIS MEANS
2
ANALYSIS A
ANALYSIS B
ANALYSIS C
3
INPUT MEANS
4
COMPARISON MEANS
5
INTERNAL DB
6
EXTERNAL DB
7
DETERMINATION MEANS
8
COMMUNICATION MEANS
PRODUCT DEVELOPMENT COMPANY
PANEL-IST HAIR a
PANEL-IST HAIR b
PANEL-IST HAIR c