

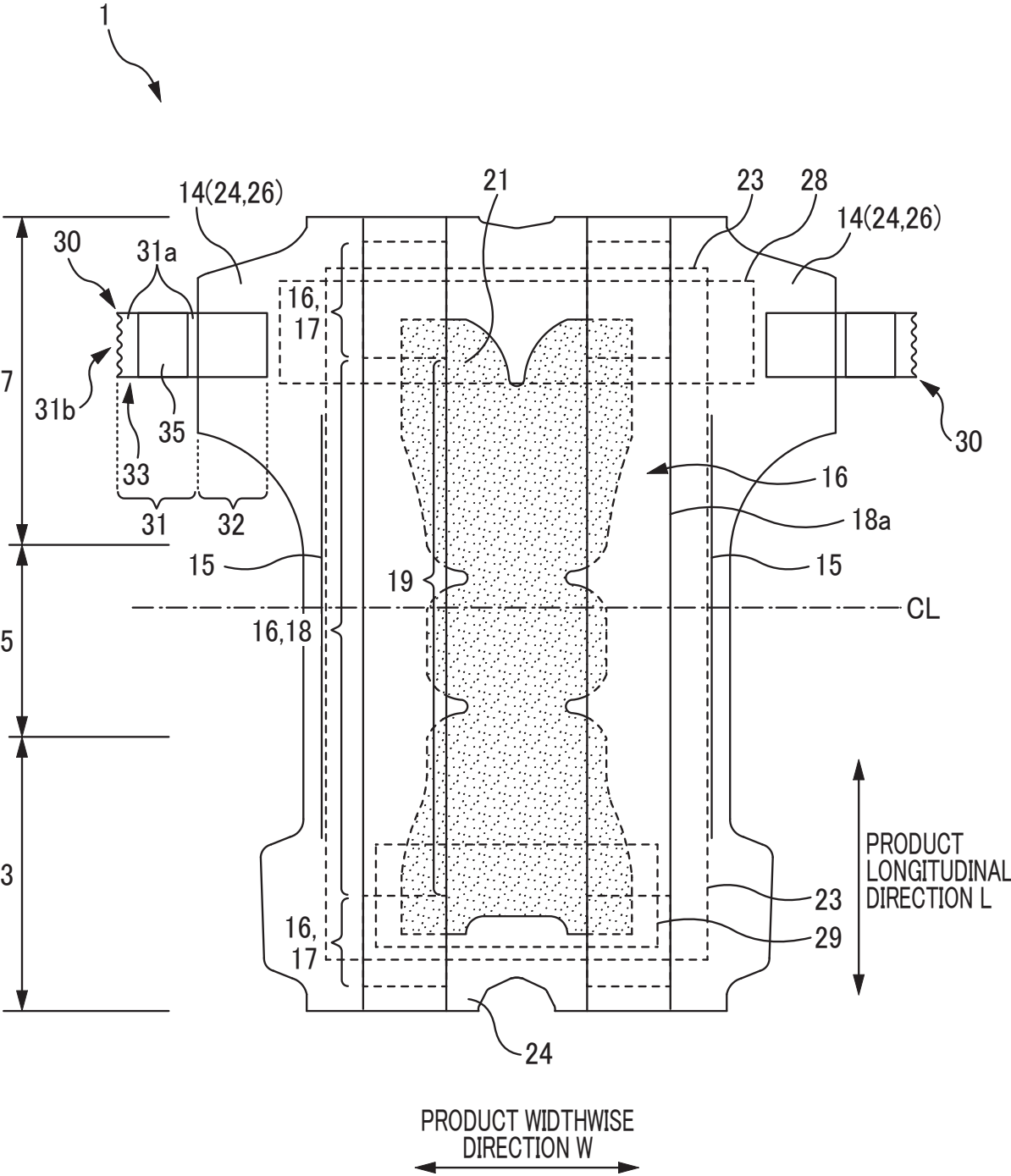


FIG. 1

SKIN SIDE
↑
THICKNESS
DIRECTION
↓
NON-SKIN SIDE

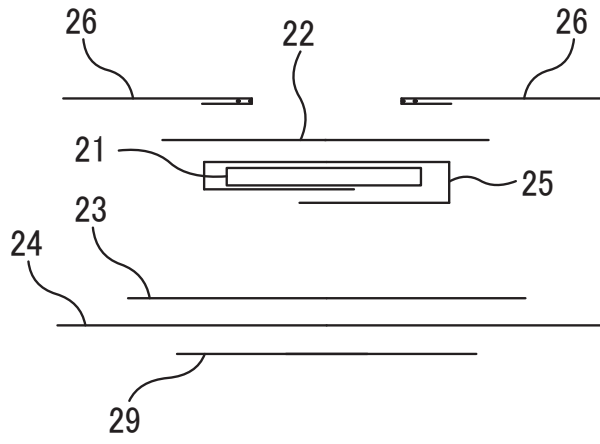


FIG. 2A

SKIN SIDE
↑
THICKNESS
DIRECTION
↓
NON-SKIN SIDE

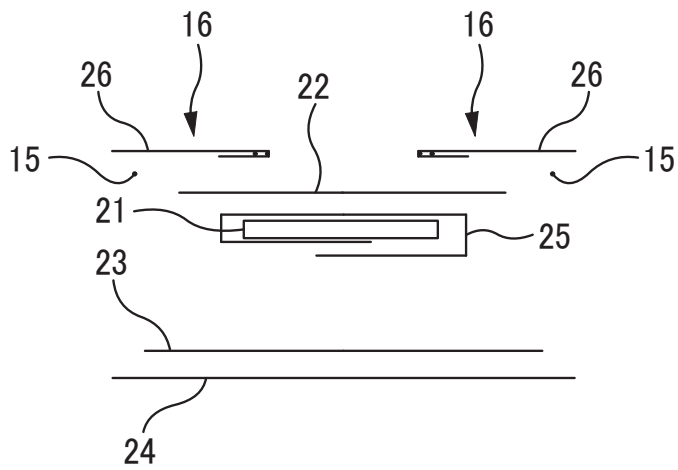


FIG. 2B

SKIN SIDE
↑
THICKNESS
DIRECTION
↓
NON-SKIN SIDE

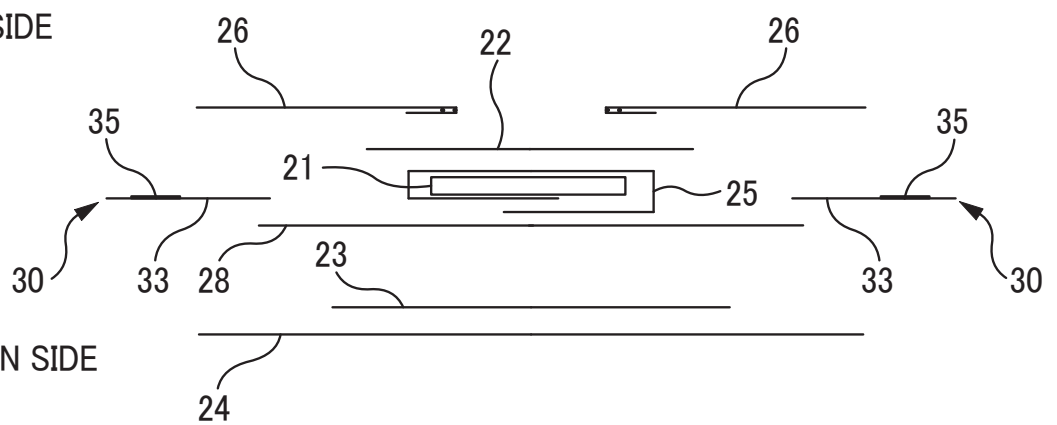


FIG. 2C

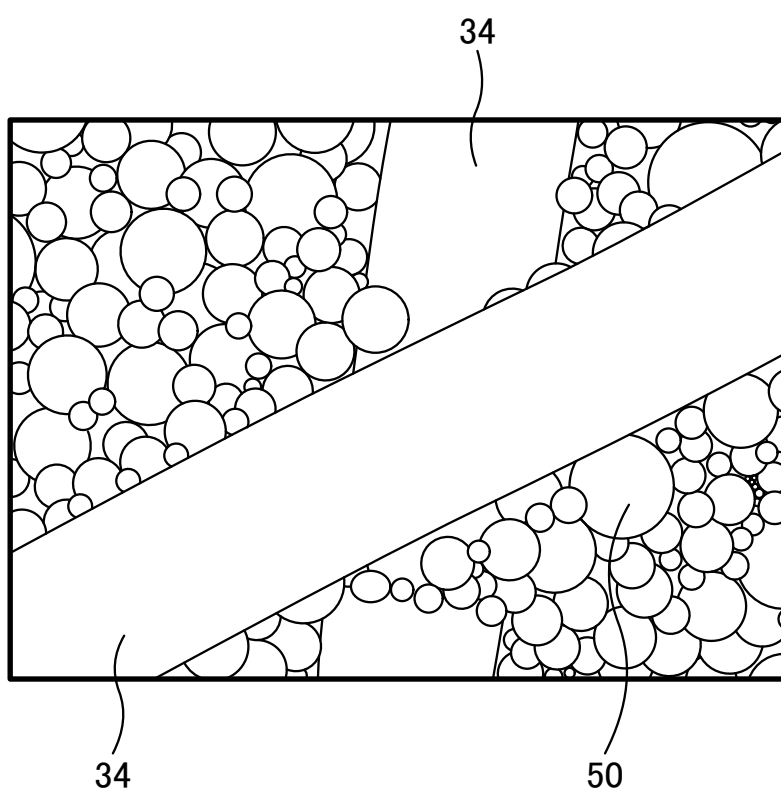


FIG. 3

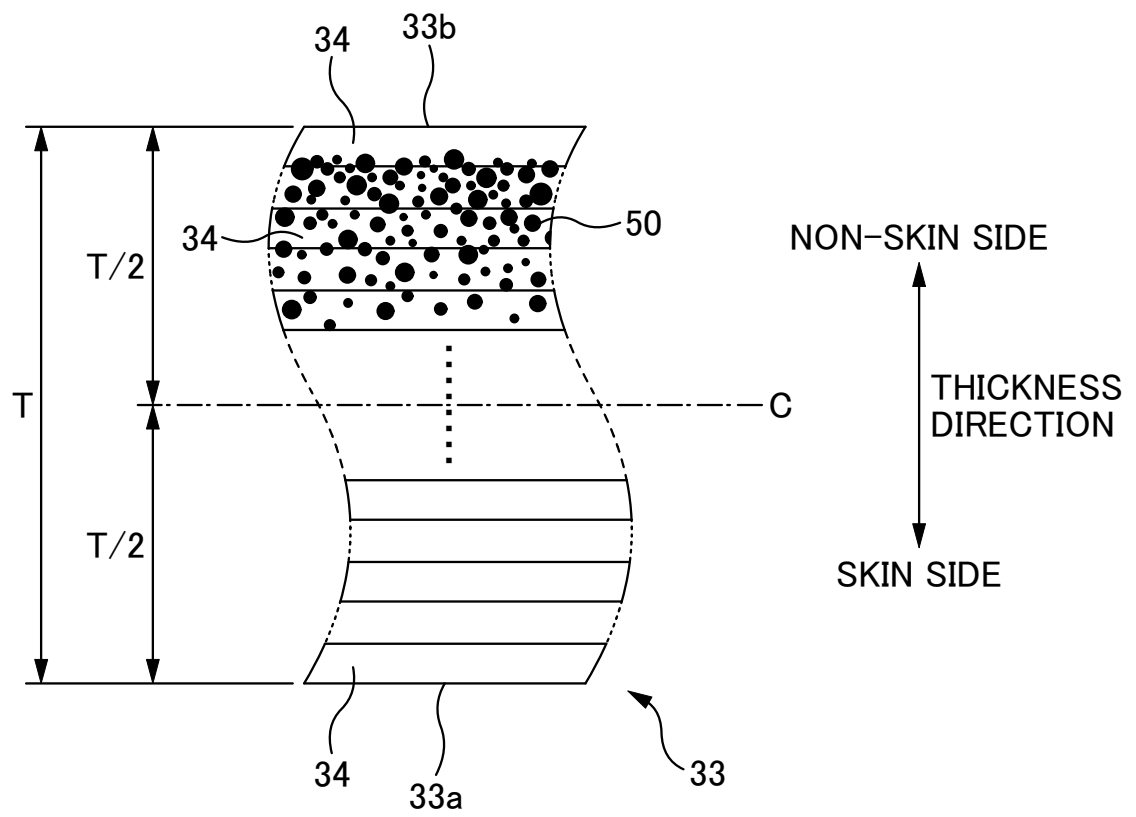


FIG. 4

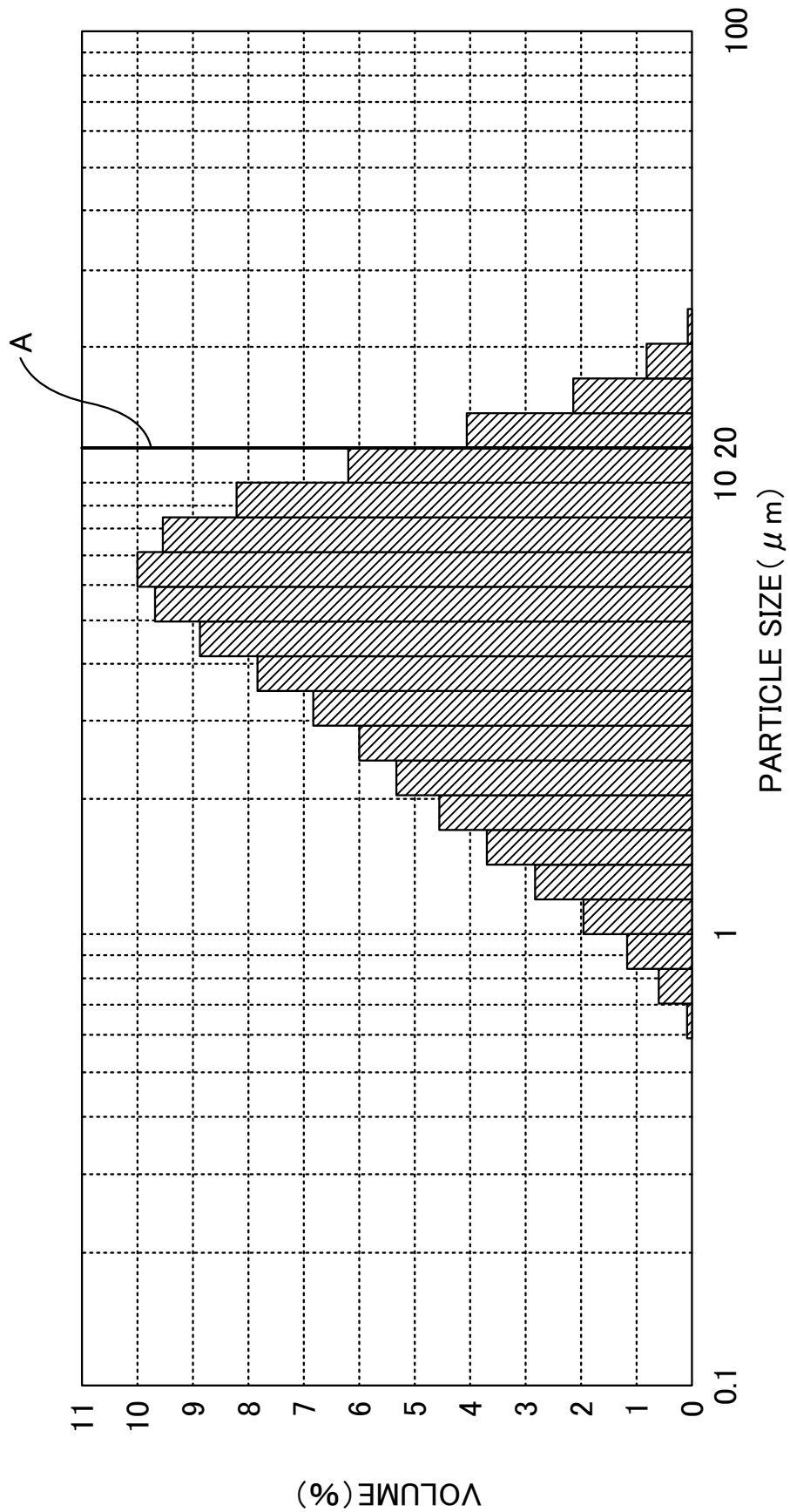


FIG. 5

FRAGRANCE	GROUP	BOILING POINT	ALLERGEN	HOT-MELT ADHESIVE
citronellal	(A)	204-205	○	○
menthol		212	○	○
α-terpineol		217-218	○	○
linalyl acetate		220	○	○
isopulegol		201	○	○
ethyl linalool		215	○	○
terpinyl acetate		220	○	○
geranyl formate		216	○	○
menthone		207-210	○	○
borneol		210-212	○	○
camphor		208	○	○

FIG. 6A

FRAGRANCE	GROUP	BOILING POINT	ALLERGEN	HOT-MELT ADHESIVE
menthane	(B)	168	○	○
camphene		159	○	○
tetrahydrolinalool		196–197	○	○
dihydromyrcenol		194–197	○	○
osimenol		196	○	○
ocimene		177	○	○
myrcene		167	○	○
α-pinene		155–156	○	○
β-pinene		165–167	○	○
α-ferrandrene		175–176	○	○
α-terpinene		173–175	○	○
γ-terpinene		182	○	○
terpinolene		184	○	○
3-carene		168–169	○	○
1-heptanol		176	○	○
2-heptanol		160–162	○	○
3-heptanol		157	○	○
1-octanol		196	○	○
2-octanol		175	○	○
3-octanol		174–176	○	○
2-nonanol		193–194	○	○
3,5,5-trimethyl-1-hexanol		193–194	○	○
cis-3-hexenol		156–157	○	○
trans-2-hexenol		158–160	○	○
2,4-hexadiene-1-ol		177	○	○
1-octen-3-ol		175	○	○
2,6-nonadienol		196	○	○
tetrahydromugol		196–200	○	○
4-thujanol		193–198	○	○
n-heptanal		153	○	○
n-octanal		171–173	○	○
3,5,5-trimethylhexanal		167	○	○
cis-3-hexenal		148–150	○	○
2,4-hexadienal		174	○	○
2,6-nonadienal		187	○	○

FIG. 6B

FRAGRANCE	GROUP	BOILING POINT	ALLERGEN	HOT-MELT ADHESIVE
eptanal dimethyl acetal	(B)	164–165	○	○
octanal dimethyl acetal		185	○	○
citral dimethyl acetal		198	○	○
2-heptanone		151–152	○	○
2-octanone		173	○	○
3-octanone		167–168	○	○
2-nonanone		194	○	○
3-nonanone		187–188	○	○
methylheptenone		174–176	○	○
fencon		192–194	○	○
acetylfuran		173	○	○
linalool oxide		188	○	○
menthofuran		196	○	○
1,8-cineole		177	○	○
1,4-cineole		173–175	○	○
2,2,6-trimethyl-6-vinyltetrahydropyran		160	○	○
cis-3-hexenyl formate		155	○	○
prenyl acetate		151	○	○
hexyl acetate		172	○	○
cis-3-hexenyl acetate		169	○	○
trans-2-hexenyl acetate		166	○	○
heptyl acetate		192–194	○	○
hexyl propionate		180	○	○
cis-3-hexenyl butyrate		192	○	○
cis-3-hexenyl isobutyrate		182	○	○
ethyl 2-methylvalerate		153	○	○
ethyl heptanoate		189	○	○
allyl hexanoate		186–188	○	○

FIG. 6C

FRAGRANCE	GROUP	BOILING POINT	ALLERGEN	HOT-MELT ADHESIVE
sobornyl acetate	(C)	227	○	○
p-menthane-3,8-diol		268	○	○
2-(tert-butyl)cyclohexyl acetate		232	○	○
dihydroterpinyl acetate		222	○	○
nerol		227	○	○
4-tert-butylcyclohexyl acetate		232	○	○
citronellyl acetate		229	○	○
neryl acetate		231	○	○
geranyl acetate		245	○	○
ethyl linalyl acetate		246-247	○	○
tricyclodecenyl acetate		258	○	○
bornyl acetate		223-224	○	○
β-caryophyllene		256	○	○
cis-jasmon		248	○	○
L-carvone		230	○	○
nopyr acetate		234	○	○
pulegone		224	○	○
allyl octanoate		222	○	○

SUBSTANCES THAT ARE NOT CONTAINED, IN TERMS OF ALLERGEN PROBLEM:
α-isomethylionone, amyl cinnamic aldehyde, amylcinnamyl alcohol, anis alcohol, benzyl alcohol, benzyl benzoate, benzyl cinnamate, benzyl salicylate, butylhenyl methylpropional, cinnamaldehyde, cinnamic alcohol, citral, citronellol, coumarin, eugenol, farnesol, geraniol, hexyl cinnamal, hydroxycitronellal, hydroxyisohexyl 3-cyclohexene carboxaldehyde, isoeugenol, limonene, linalool, methyl 2-octinate, Evernia prunastri extract, and Evernia furfuracea extract

SUBSTANCES THAT ARE NOT CONTAINED, IN TERMS OF HOT-MELT ADHESIVE PROBLEM:
limonene, phenylacetaldehyde, methyl salicylate, thymol, methyl isoeugenol, coumarin, β-phenylethyl alcohol, cymene, eugenol, carvacrol, phenylethyl acetate, safrole, benzyl acetate, styrylyl acetate, anisyl acetate, cinnamyl acetate, cumin aldehyde, diphenyl oxide, and cinnamyl formate

FIG. 6D

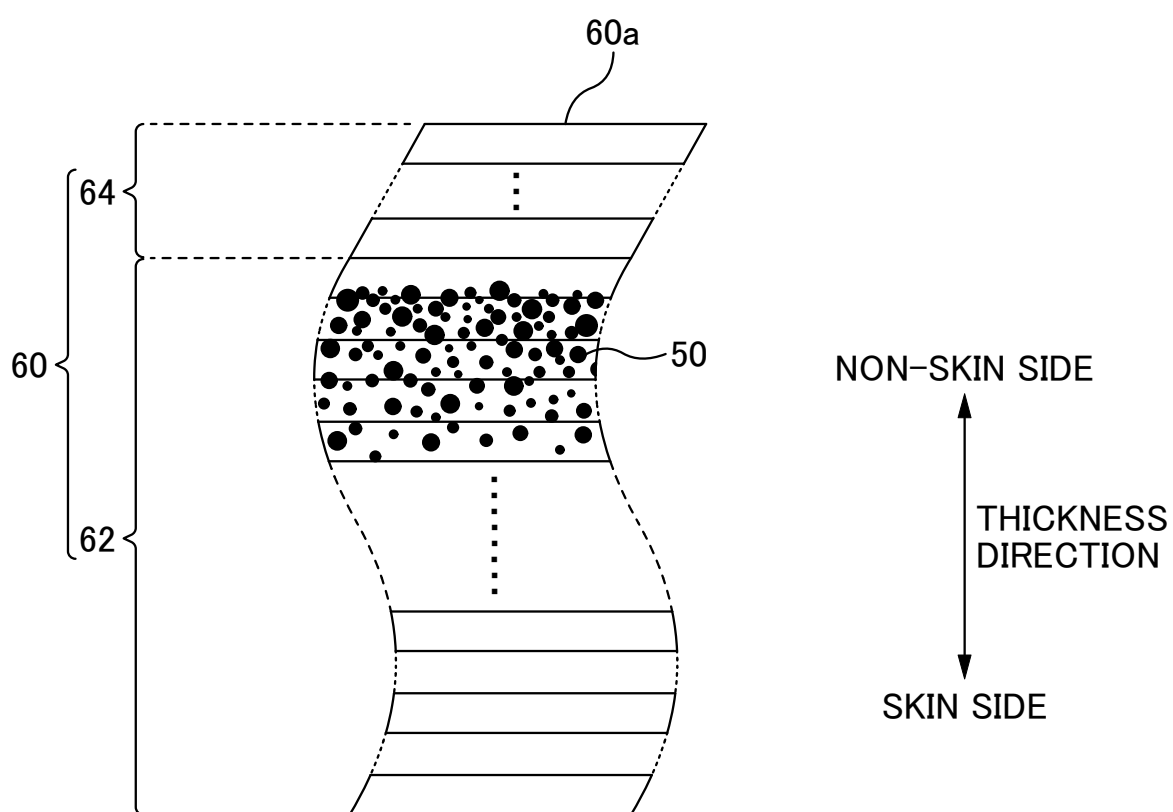


FIG. 7

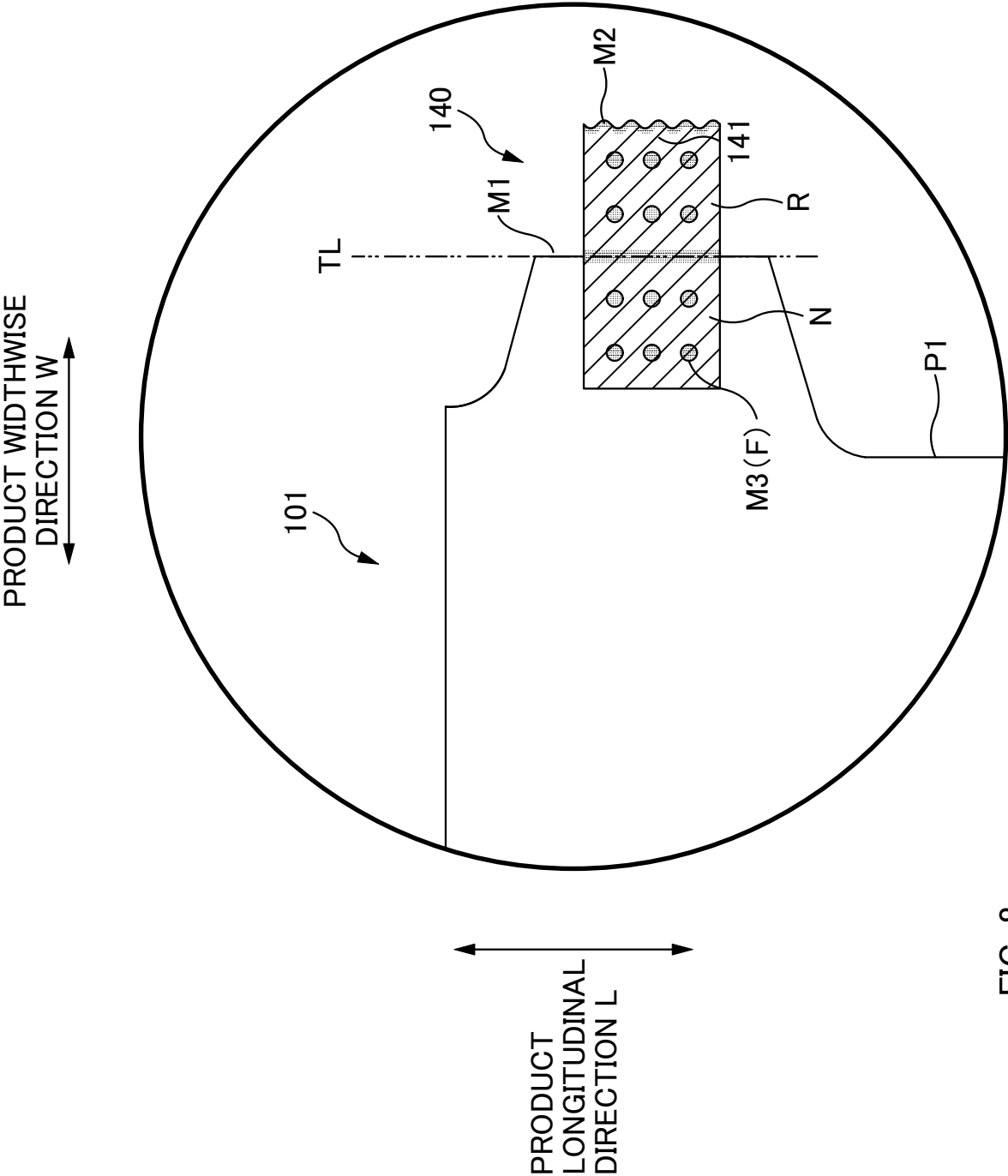


FIG. 8

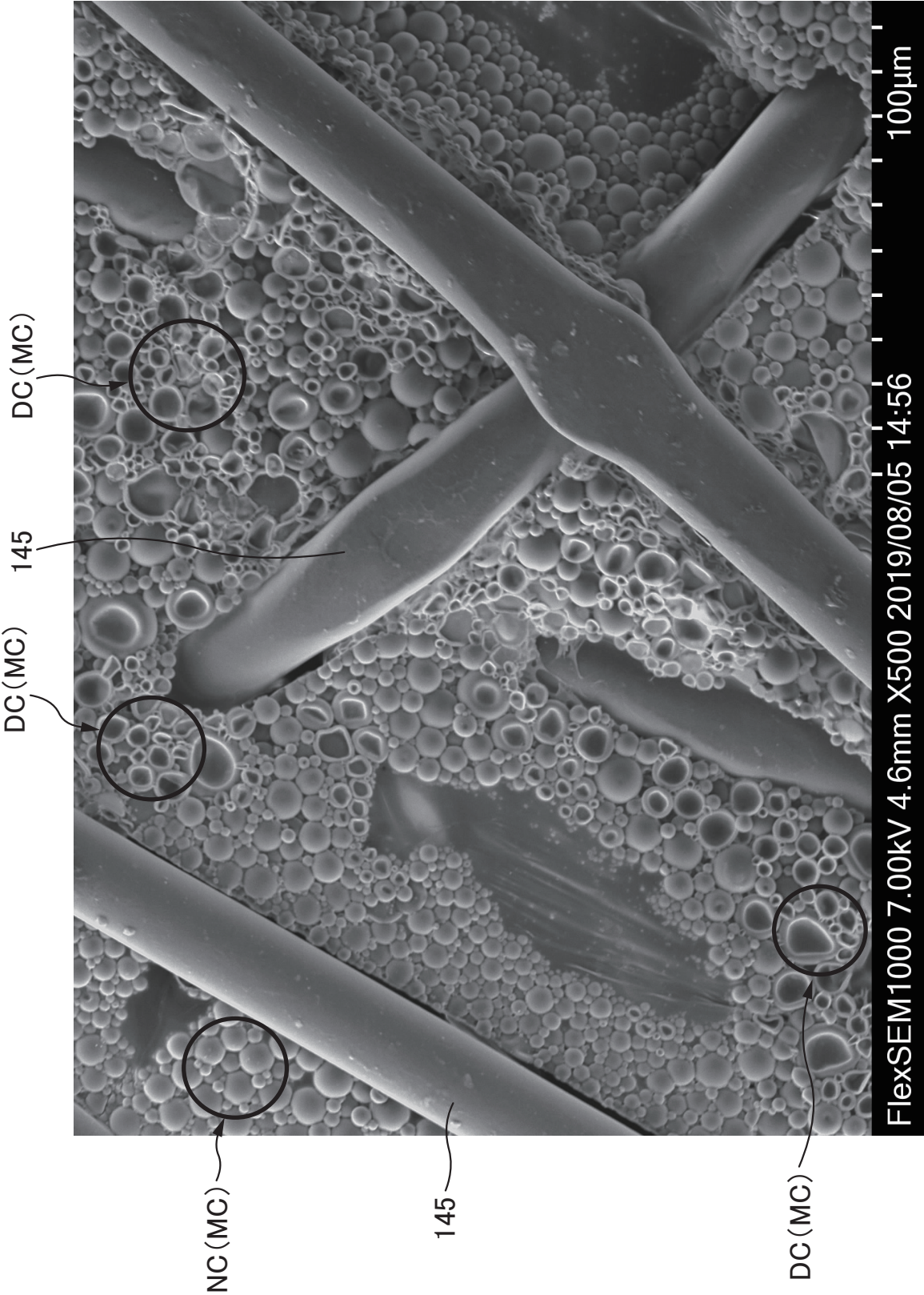


FIG. 9