

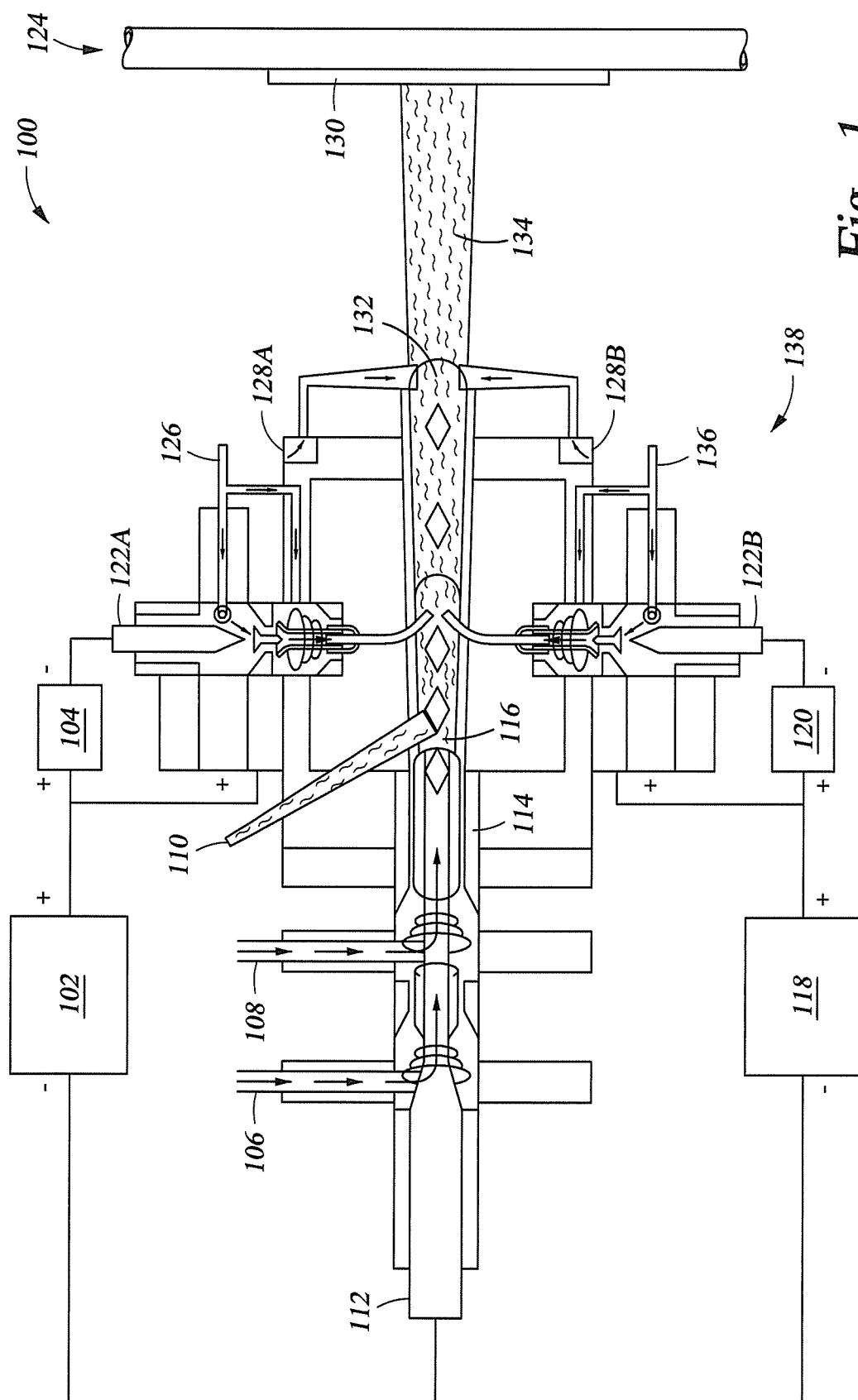


Fig. 1
(PRIOR ART)

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200→

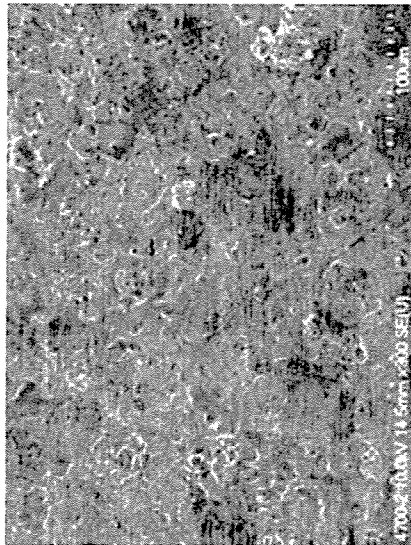


Fig. 2A
(PRIOR ART)

230→

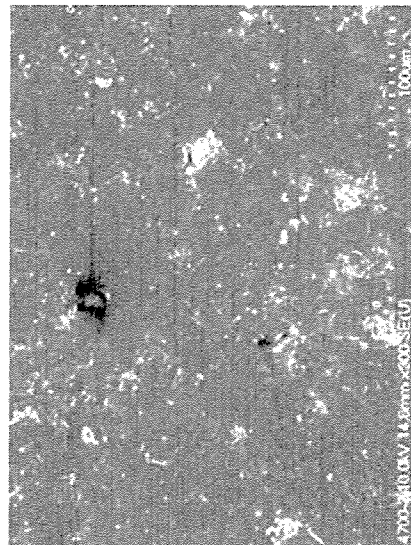


Fig. 2D

210→

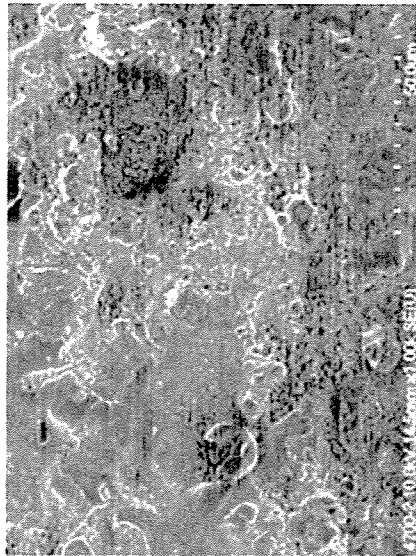


Fig. 2B
(PRIOR ART)

240→

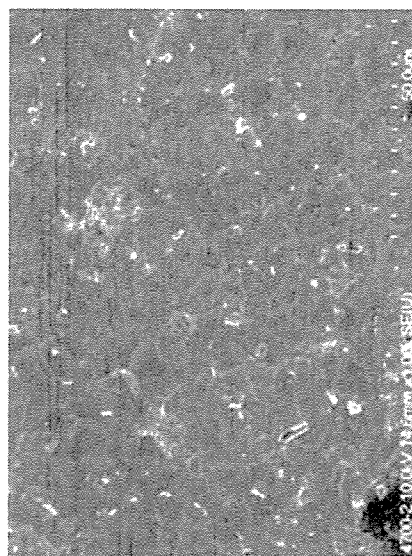


Fig. 2E

220→

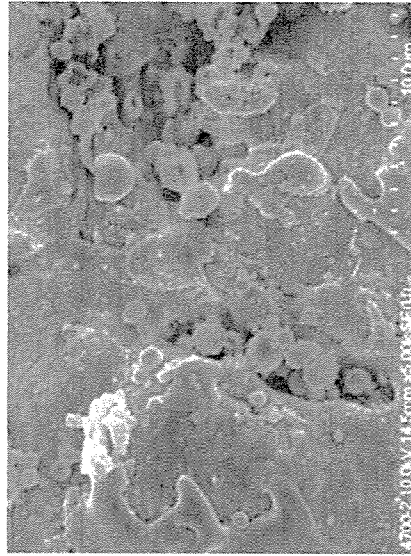


Fig. 2C
(PRIOR ART)

250→

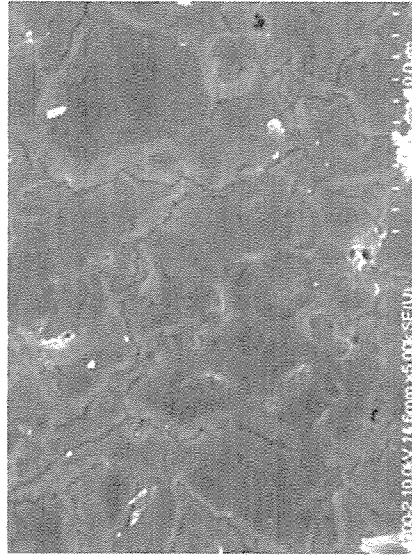


Fig. 2F

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300→

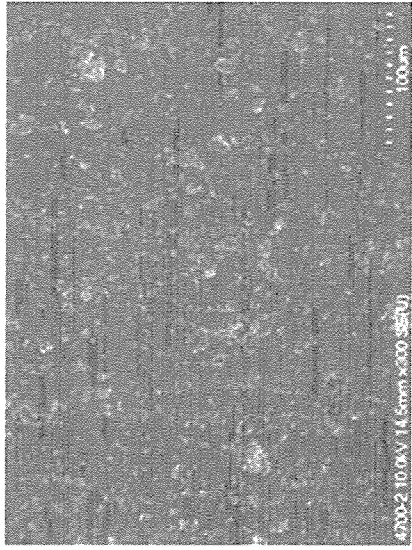


Fig. 3A

310→

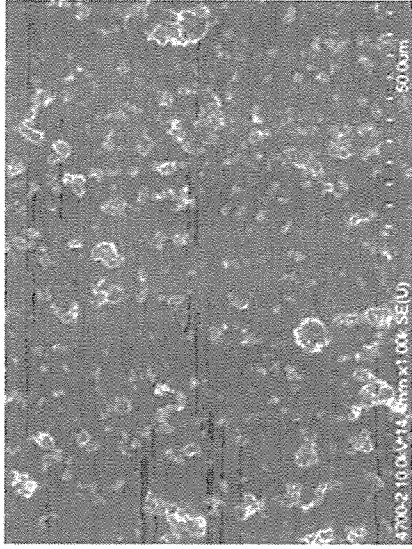


Fig. 3B

320→

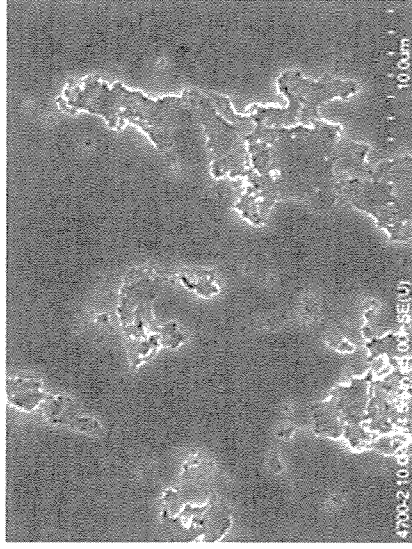


Fig. 3C

330→



Fig. 3D

340→

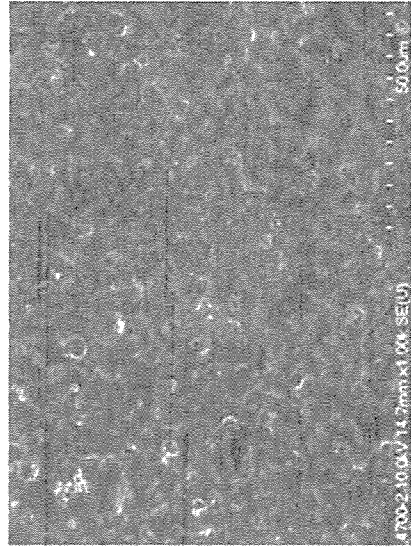


Fig. 3E

350→

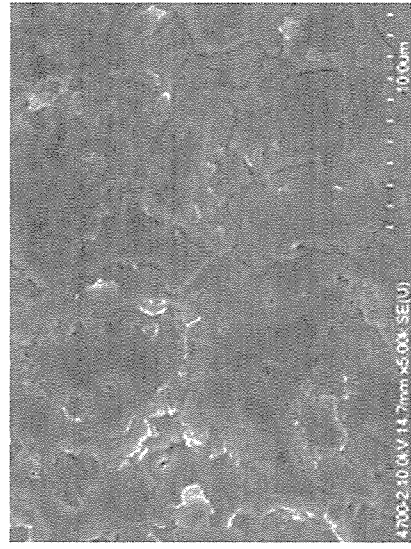


Fig. 3F

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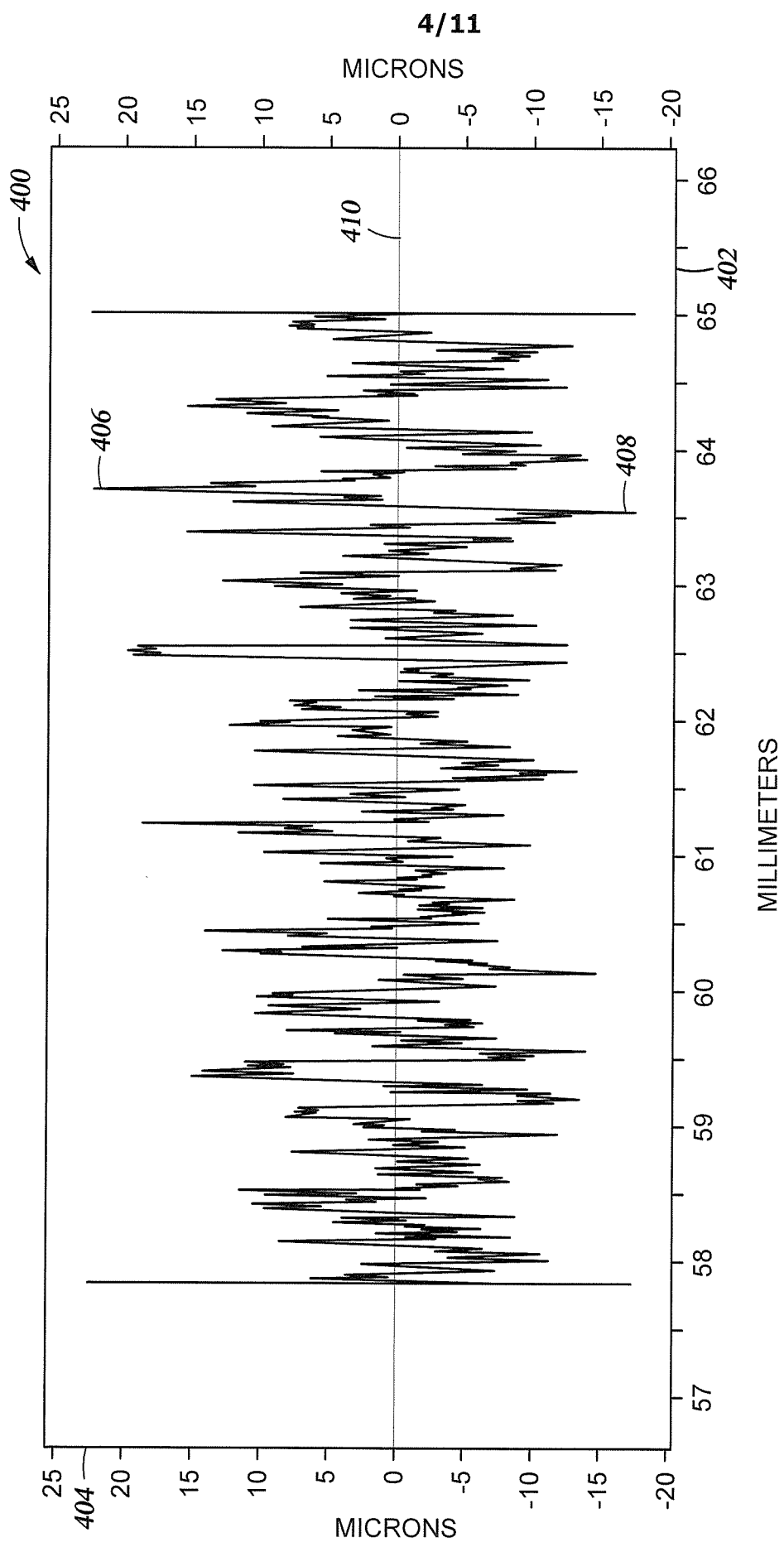


Fig. 4A
(PRIOR ART)

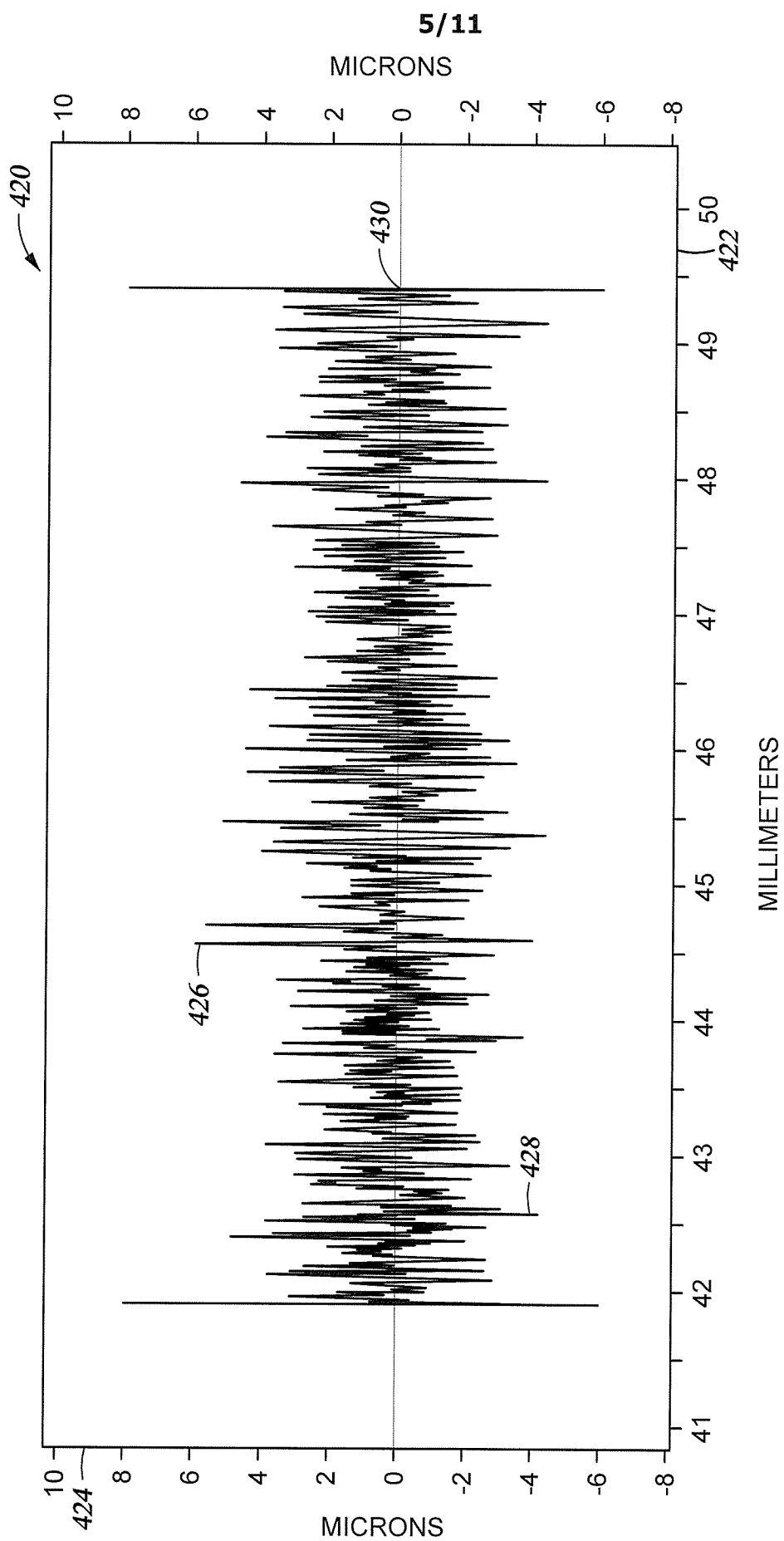


Fig. 4B

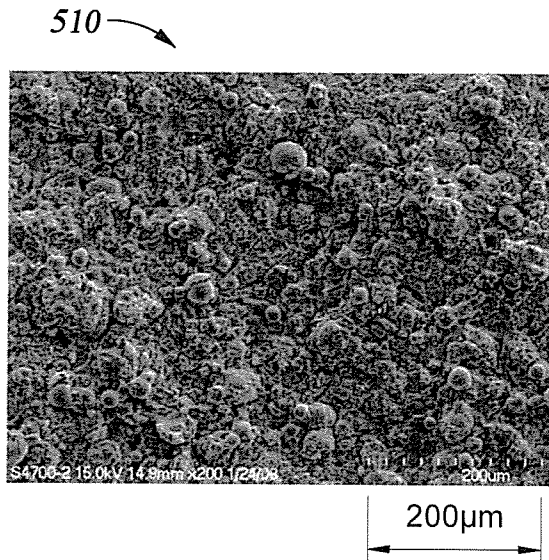


Fig. 5A

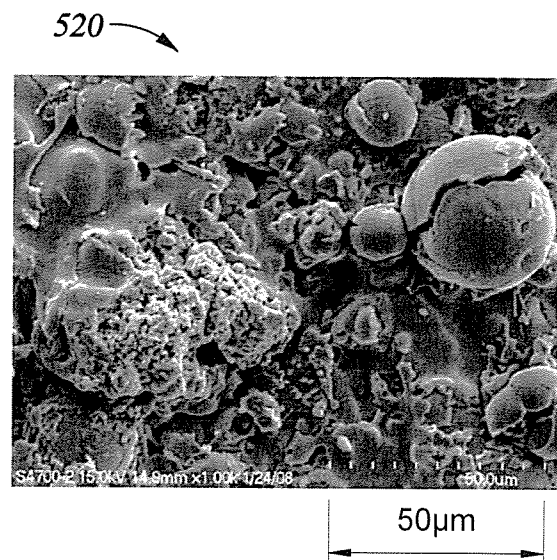


Fig. 5B

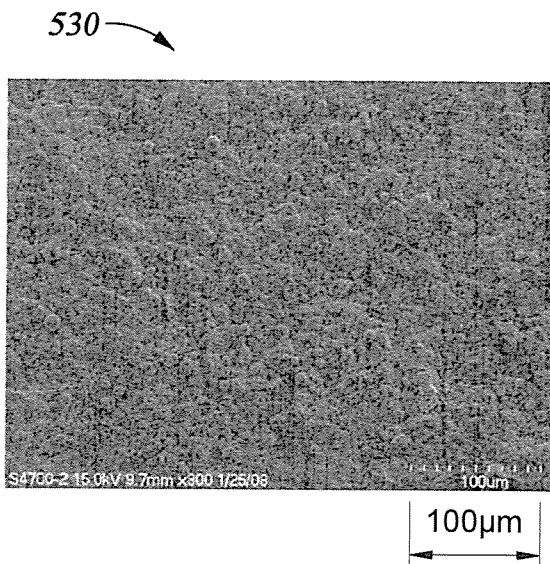


Fig. 5C

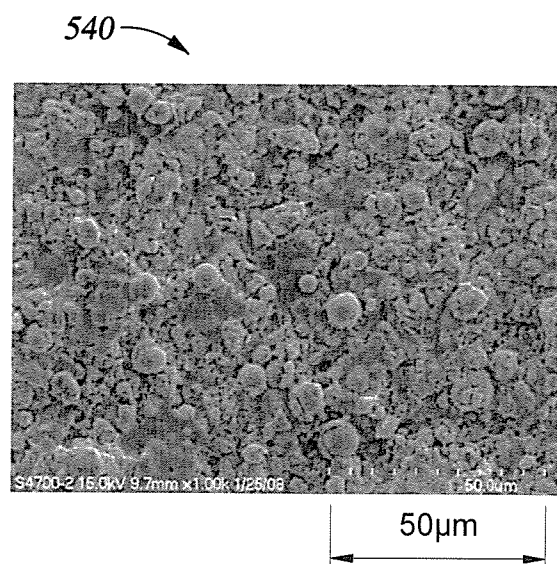
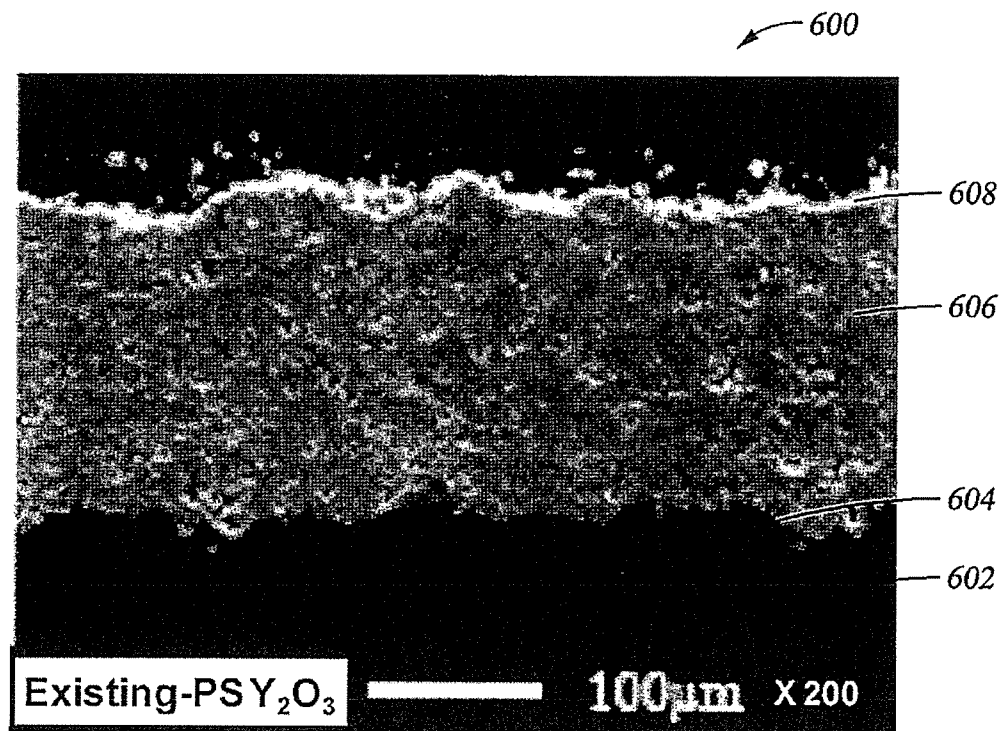
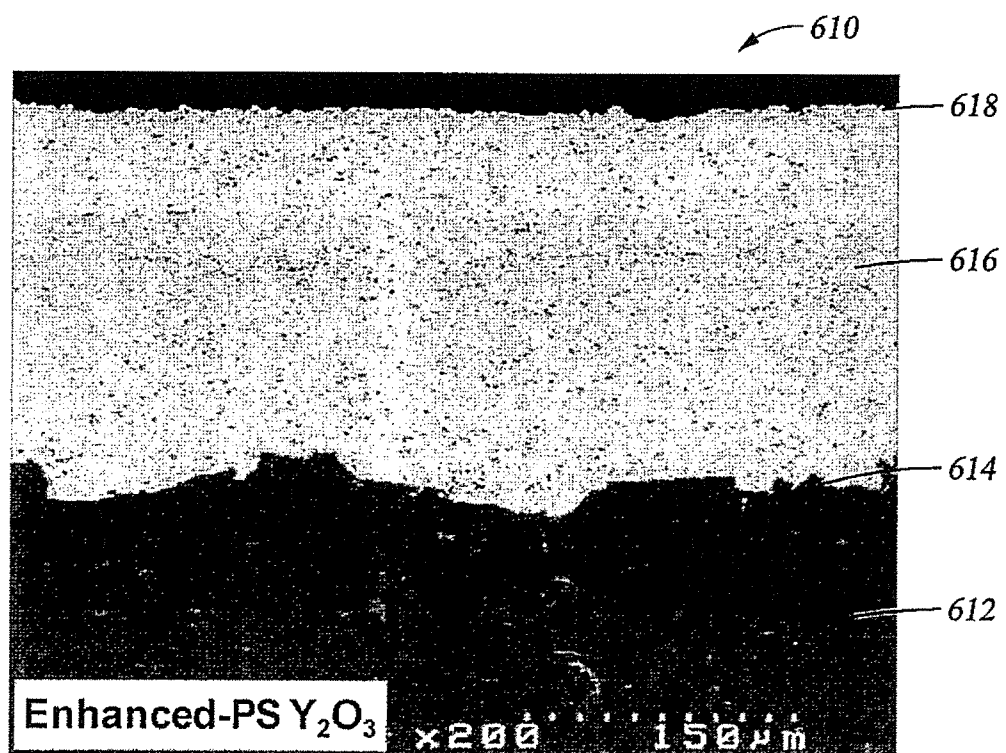


Fig. 5D

*Fig. 6A**Fig. 6B*

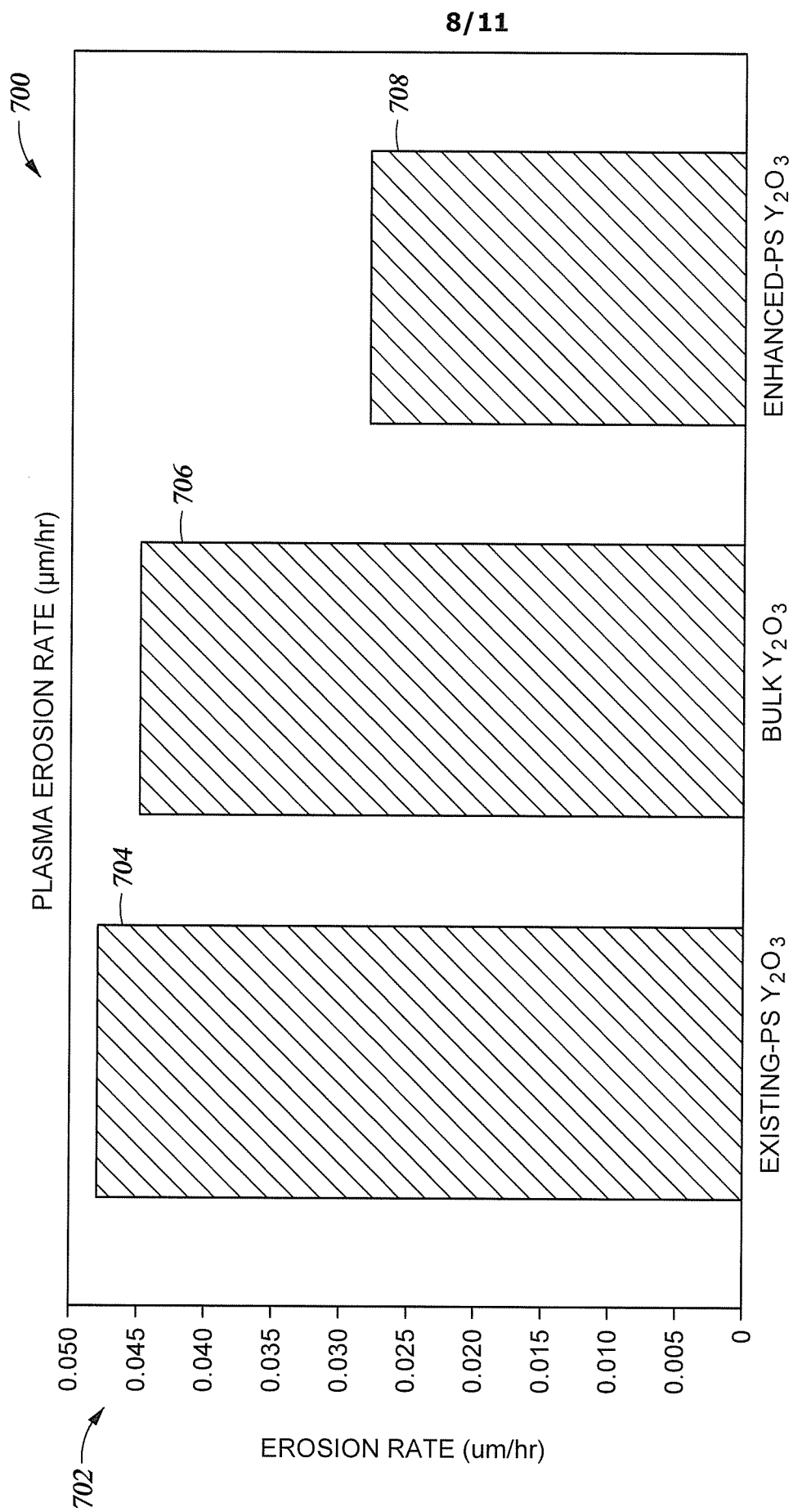


Fig. 7A

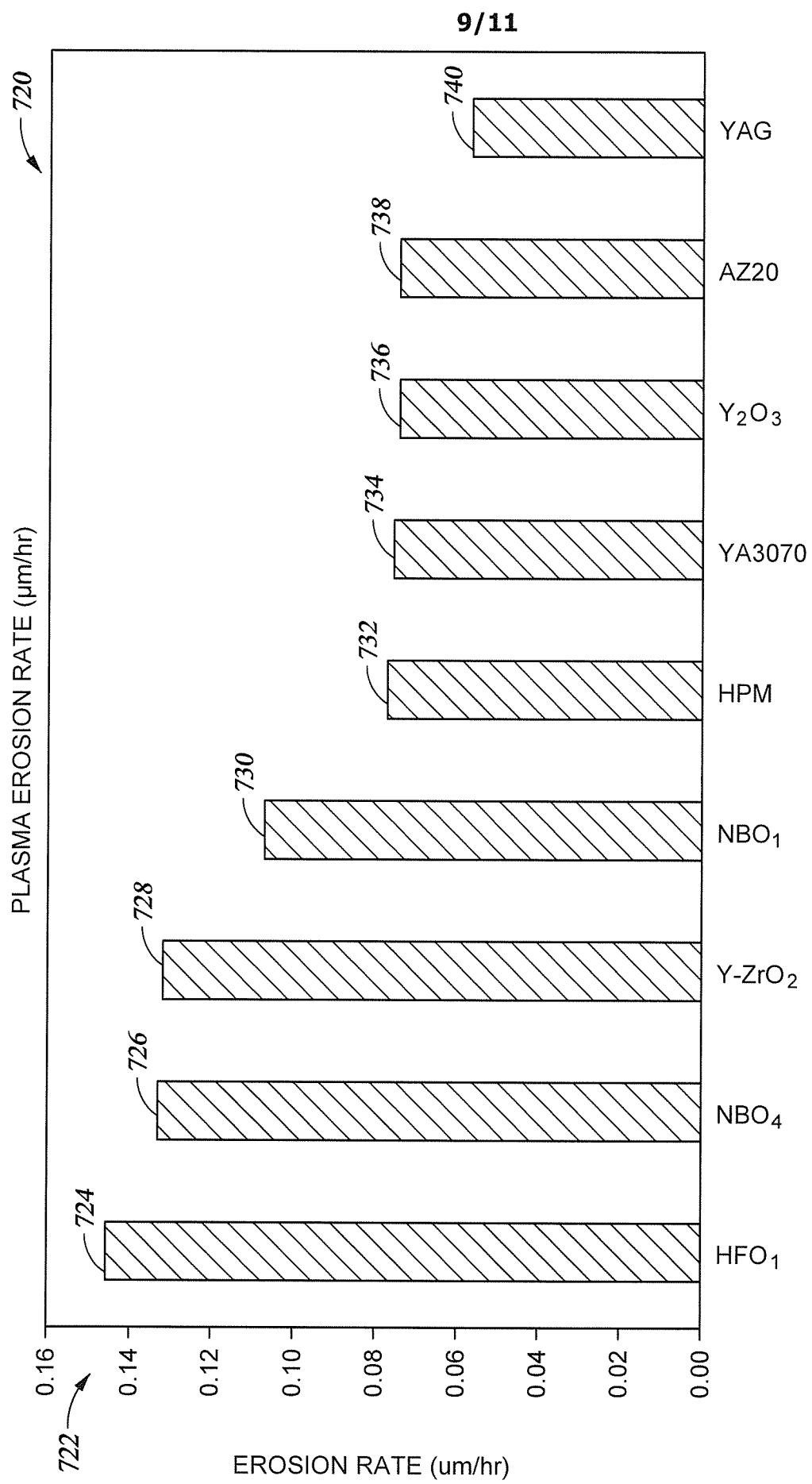


Fig. 7B

 800

EROSION RATE AND CHEMICAL COMPOSITION OF DIFFERENT MATERIALS

NEW NAME	EROSION RATE (um/hr)	COMPOSITION
YAG	0.057	37.5mol% Y_2O_3 62.5mol% Al_2O_3
YZ20	0.074	73.2mol% Y_2O_3 26.8mol% ZrO_2
Y2O3	0.074	100mol% Y_2O_3
YA3070	0.076	8.5mol% Y_2O_3 91.5mol% Al_2O_3
HPM	0.077	63mol% Y_2O_3 , 14mol% Al_2O_3 , 23mol% ZrO_2
NBO1	0.107	70mol% Y_2O_3 , 10mol% Nb_2O_5 , 20mol% ZrO_2
Y-ZrO2	0.132	3mol% Y_2O_3 , 97mol% ZrO_2
NBO4	0.133	60mol% Y_2O_3 , 20mol% Nb_2O_5 , 20mol% ZrO_2
HFO1	0.146	75mol% Y_2O_3 , 20mol% HfO_2 , and 5mol% ZrO_2

Fig. 8

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