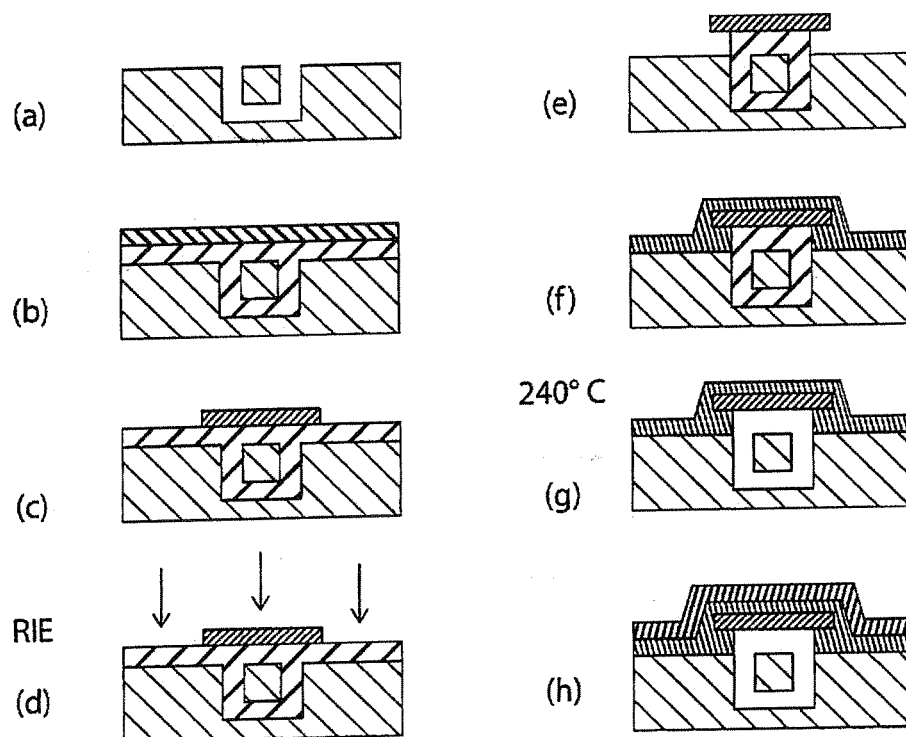


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**FIG. 1**

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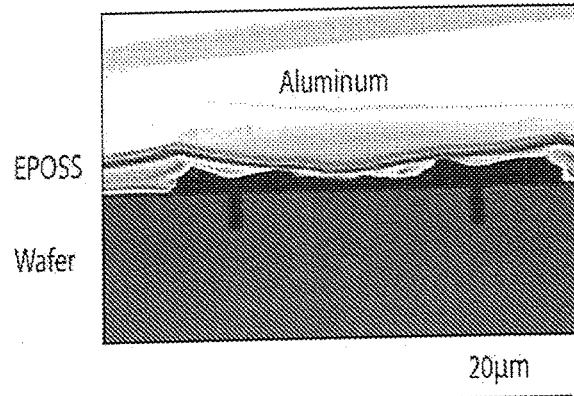


FIG. 2A

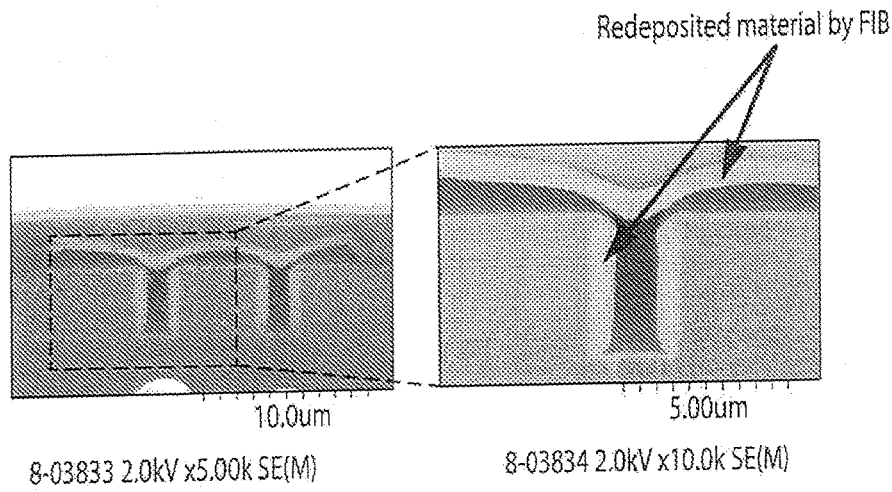
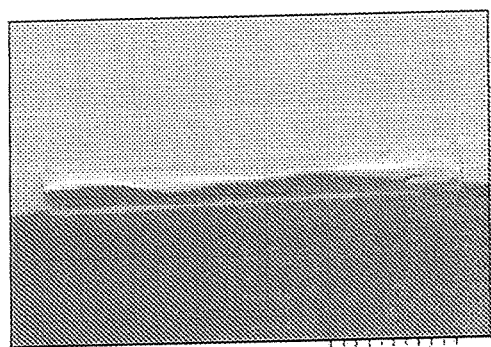


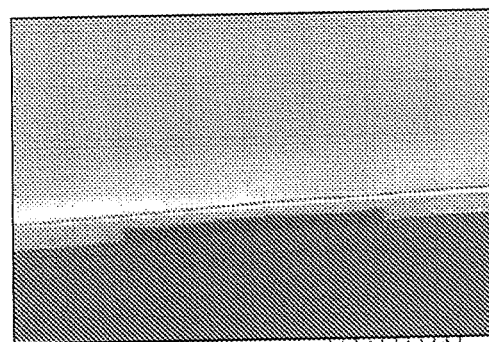
FIG. 2B

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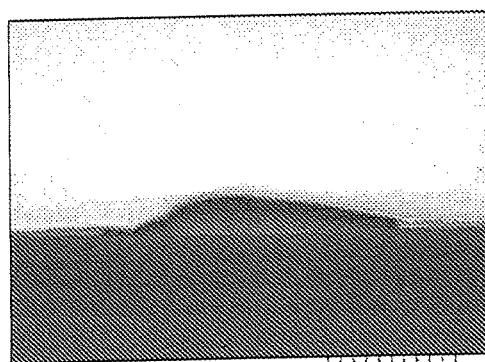
SE 20-Apr-09 WD30.5mm 7.00kV x350

FIG. 3A



SE 10-Aug-09 WD25.4mm 5.00kV x500

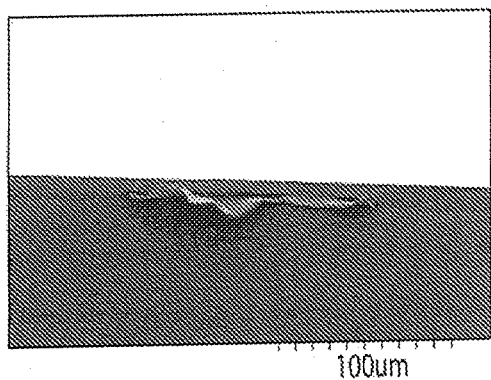
FIG. 3B



SE 03-Aug-09 WD27.3mm 5.00kV x500

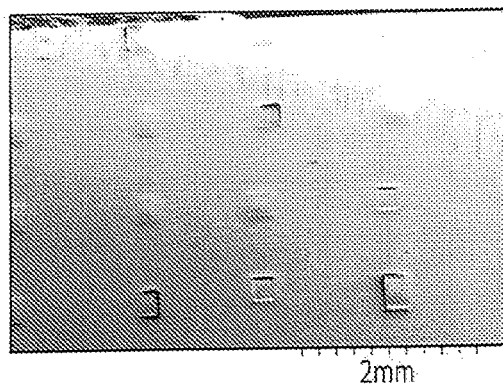
FIG. 3C

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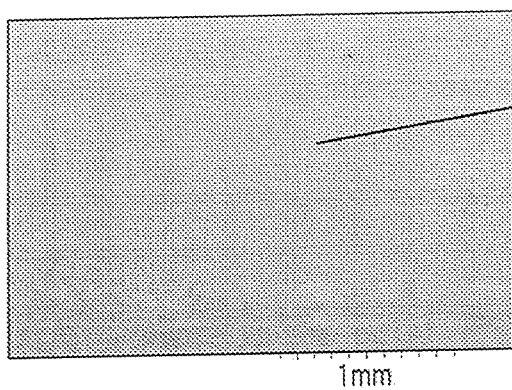
SE 11-Aug-09 WD24.2mm 5.00kV x450

FIG. 4A



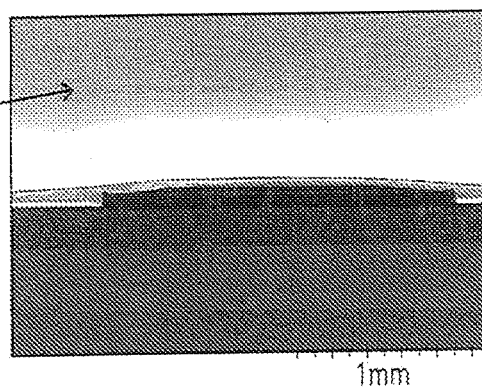
SE 30-Aug-09 WD34.1mm 5.00kV x25

FIG. 4B



SE 03-Aug-09 WD29.7mm 5.00kV x30

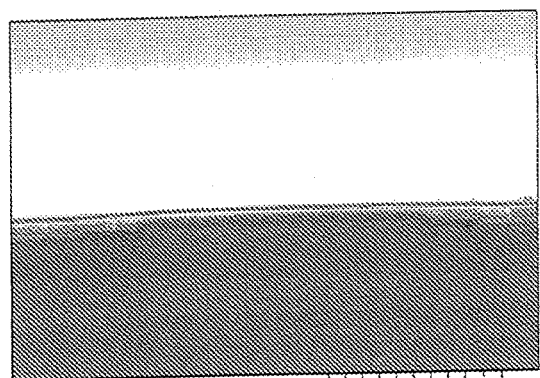
FIG. 4C



SE 03-Aug-09 WD27.7mm 5.00kV x600

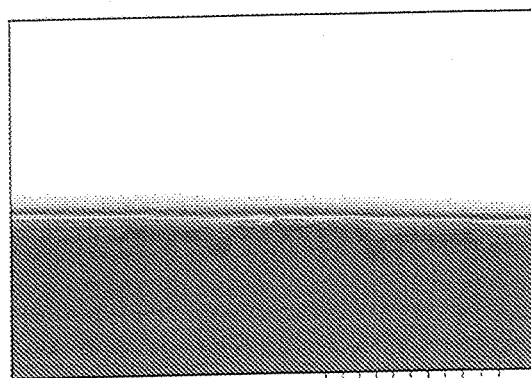
FIG. 4D

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SE 25-Aug-09 WD19.1mm 5.00kV x450

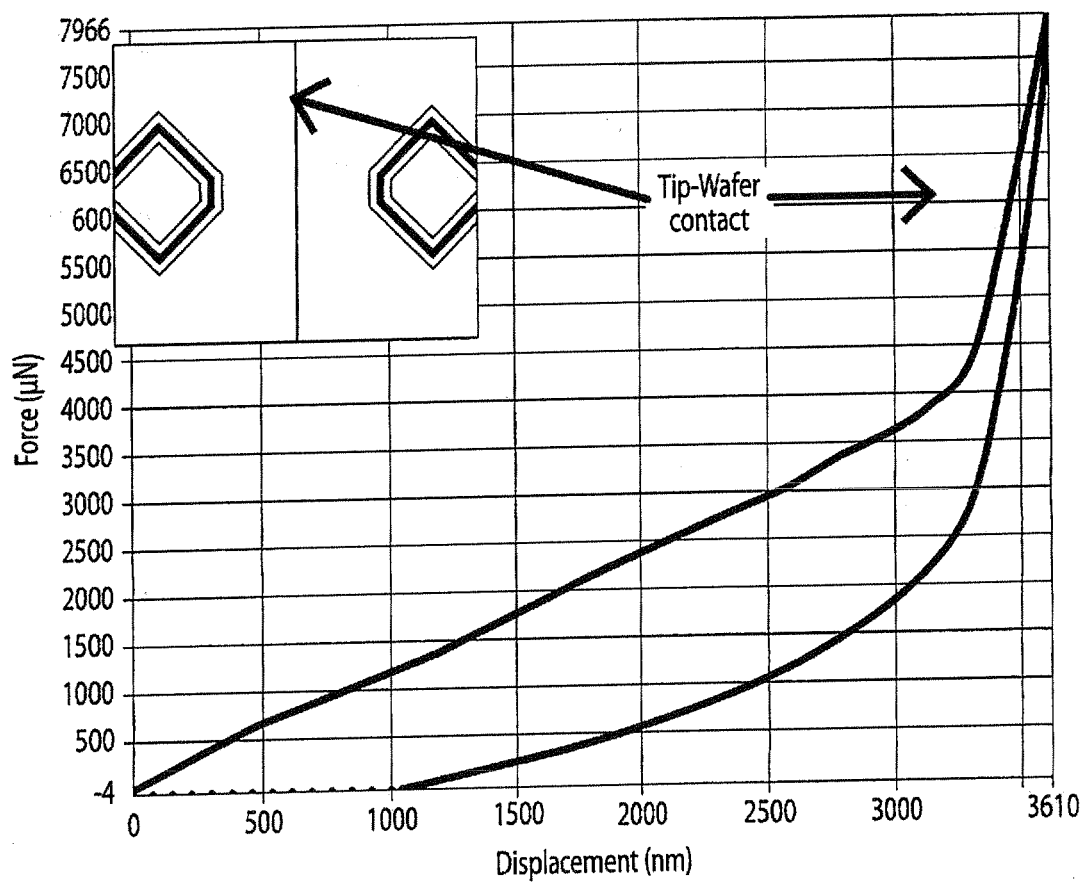
FIG. 5A



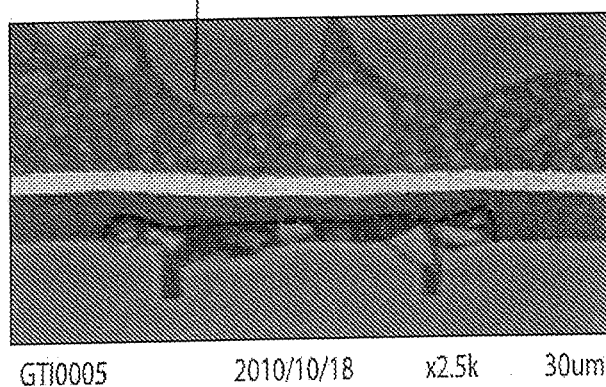
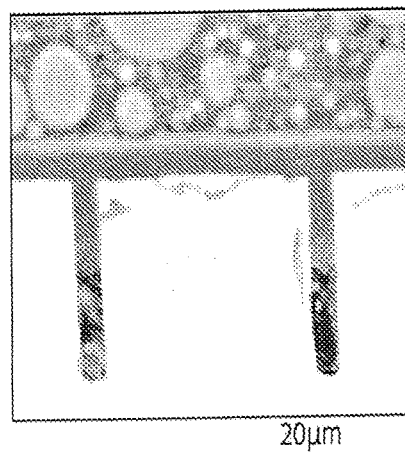
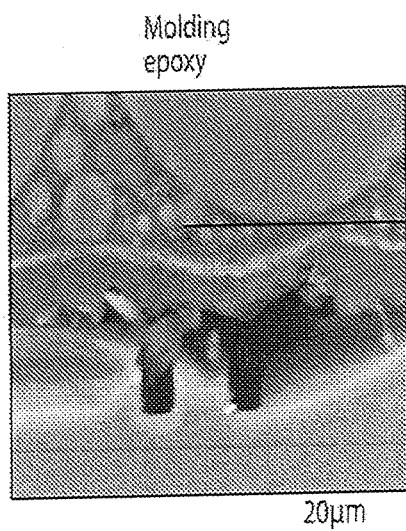
SE 25-Aug-09 WD16.1mm 5.00kV x600

FIG. 5B

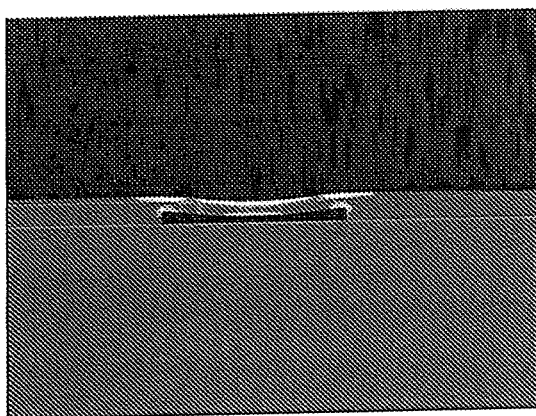
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**FIG. 6**

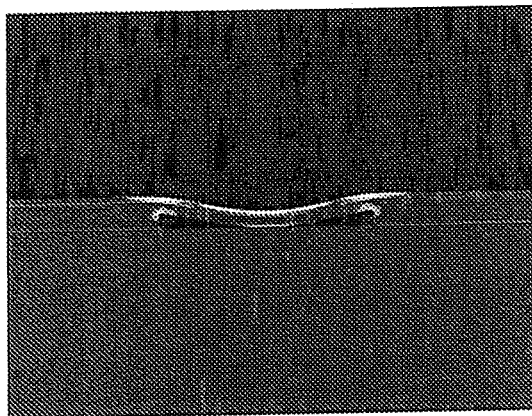
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40 atm

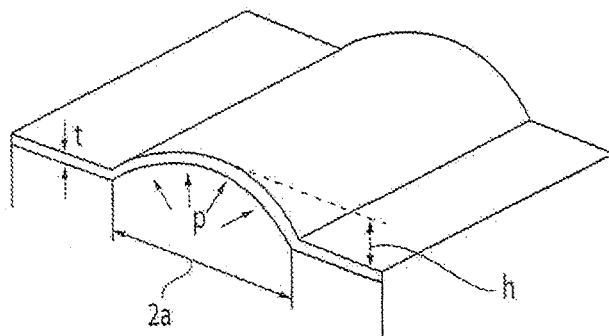


100 atm

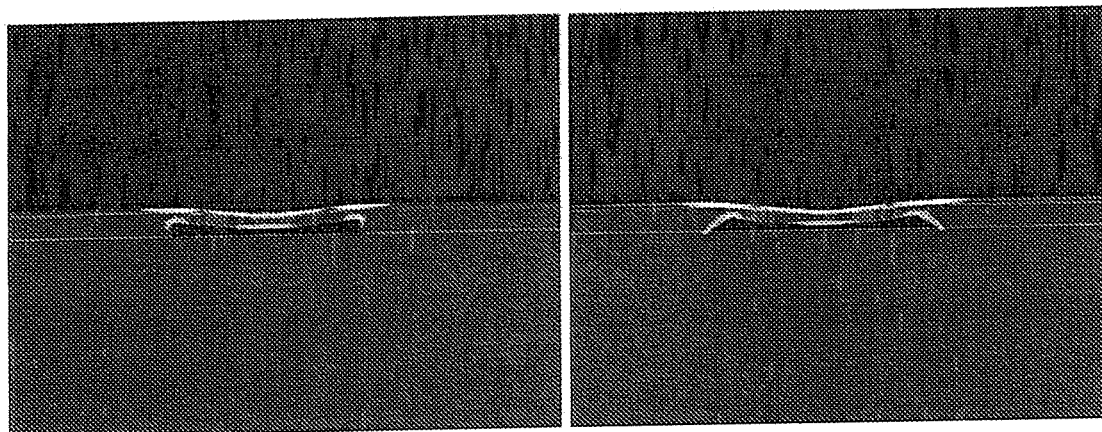
Rectangular "Bulge" equation:

$$P = \frac{4}{3} \frac{h^3}{a^2} \frac{Et}{(1-\nu^2)}$$

P(atm)	a(μm)	t(μm)	h(μm)
40	10	0.7	2.8
100	10	0.7	2

**FIG. 8A**

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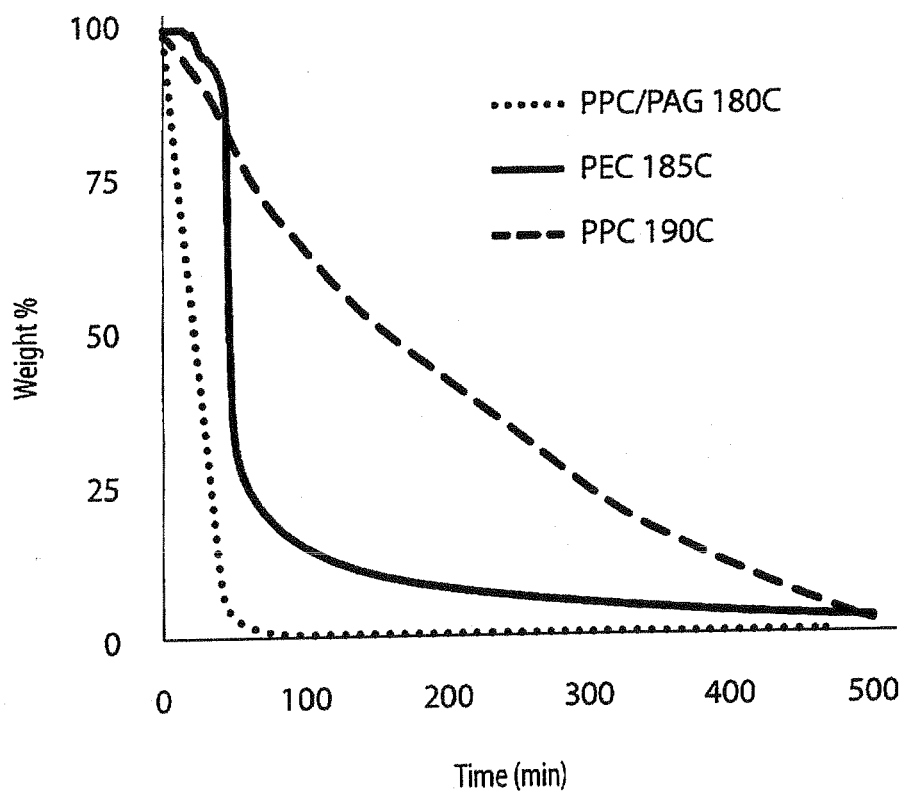


Straight sidewalls

Angled (30°) sidewalls

FIG. 8B

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**FIG. 9**

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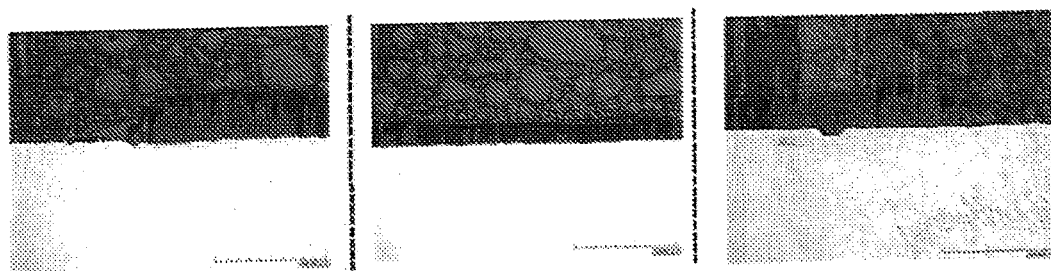


FIG. 10A

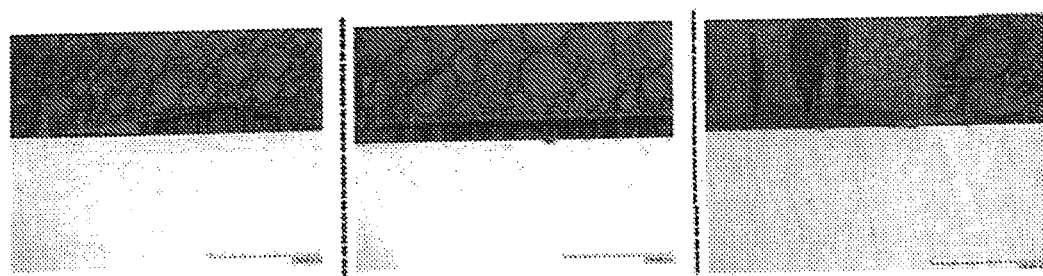


FIG. 10B

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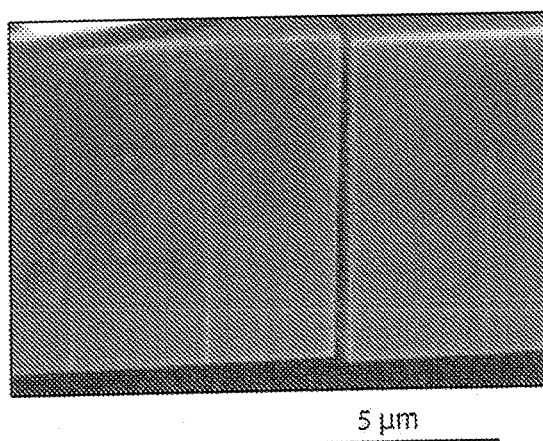


FIG. 11A

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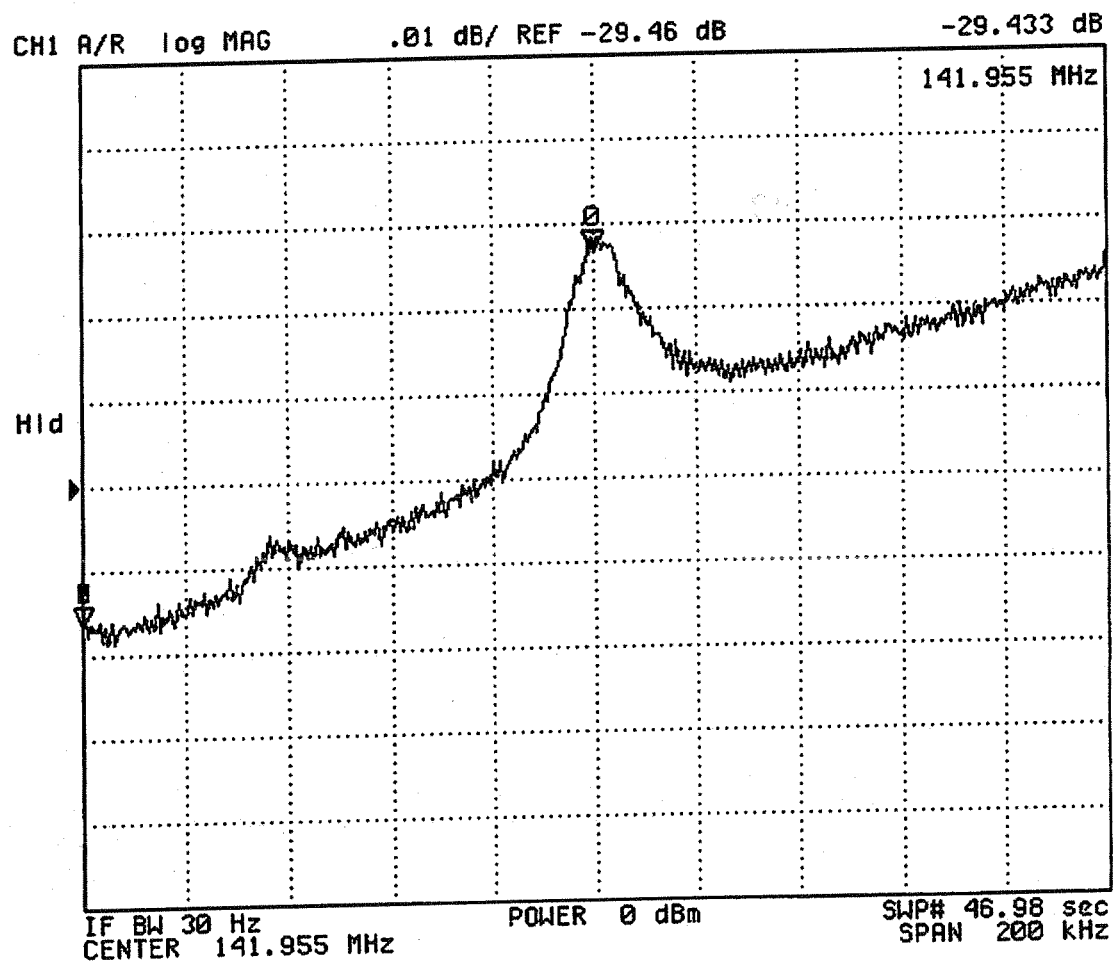


FIG. 11B