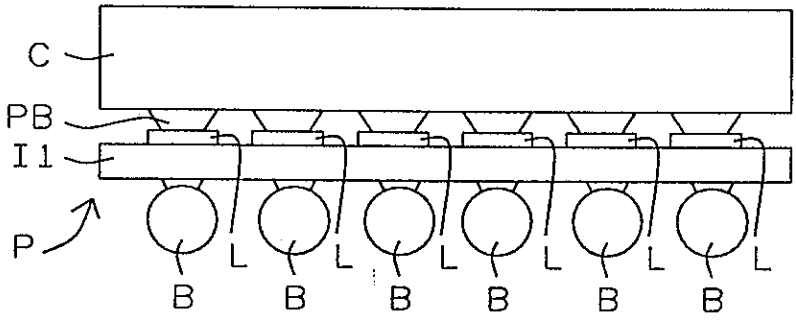


FIG. 1

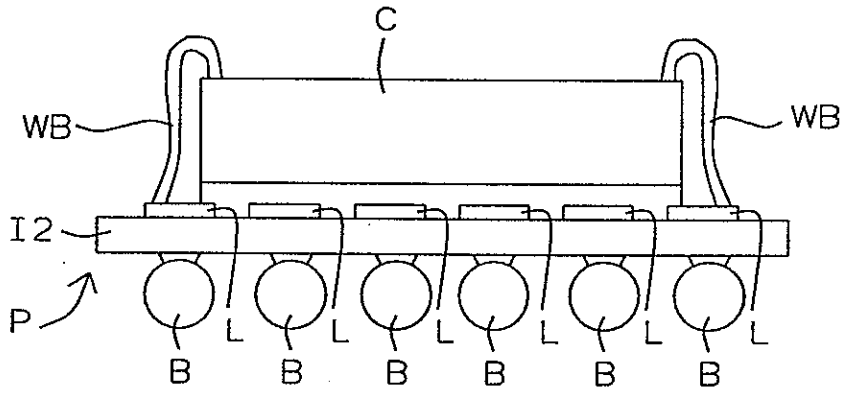


FIG. 2

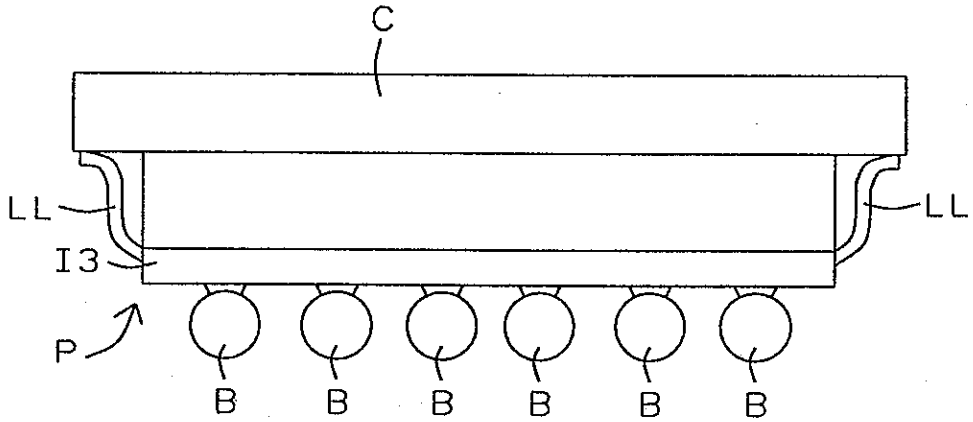


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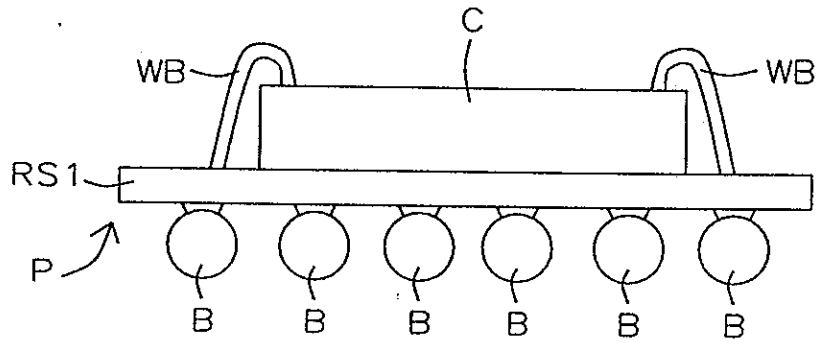


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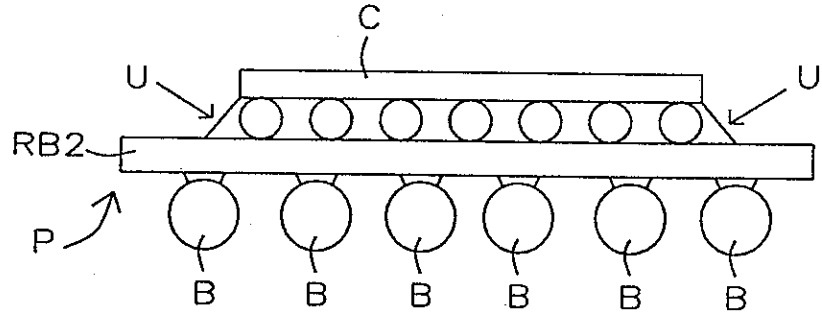


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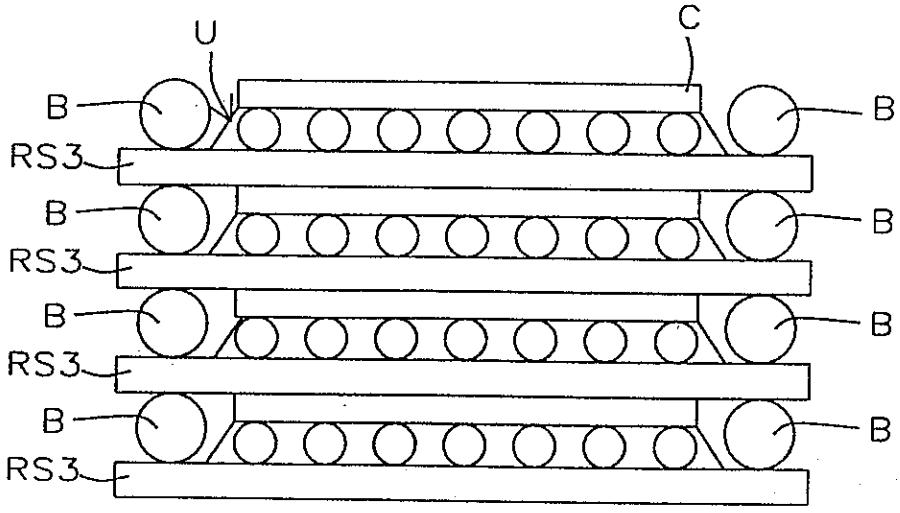


FIG. 6

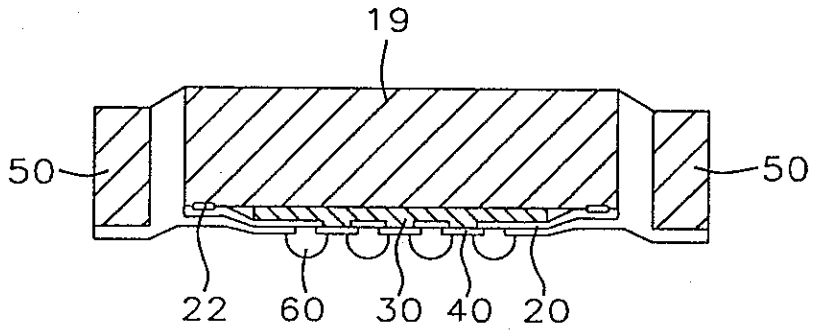


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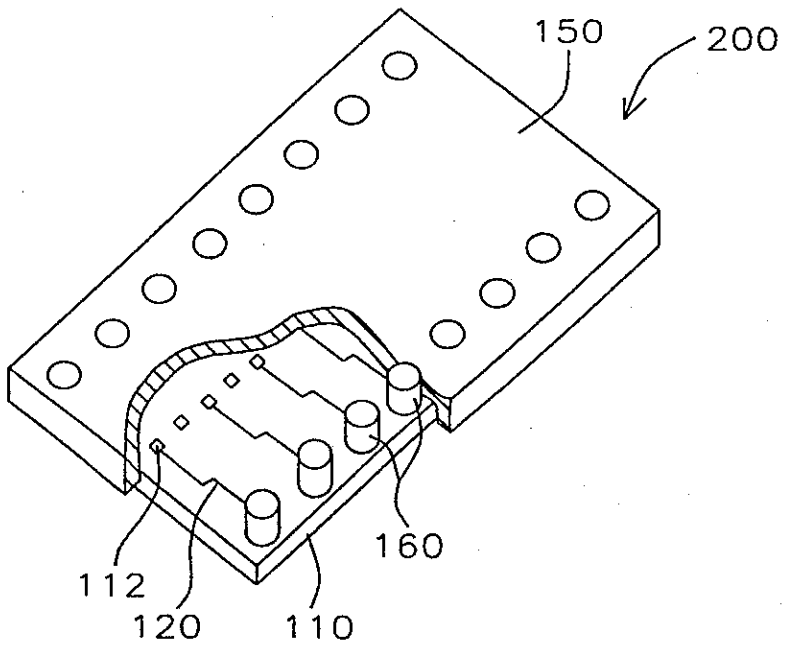


FIG. 8

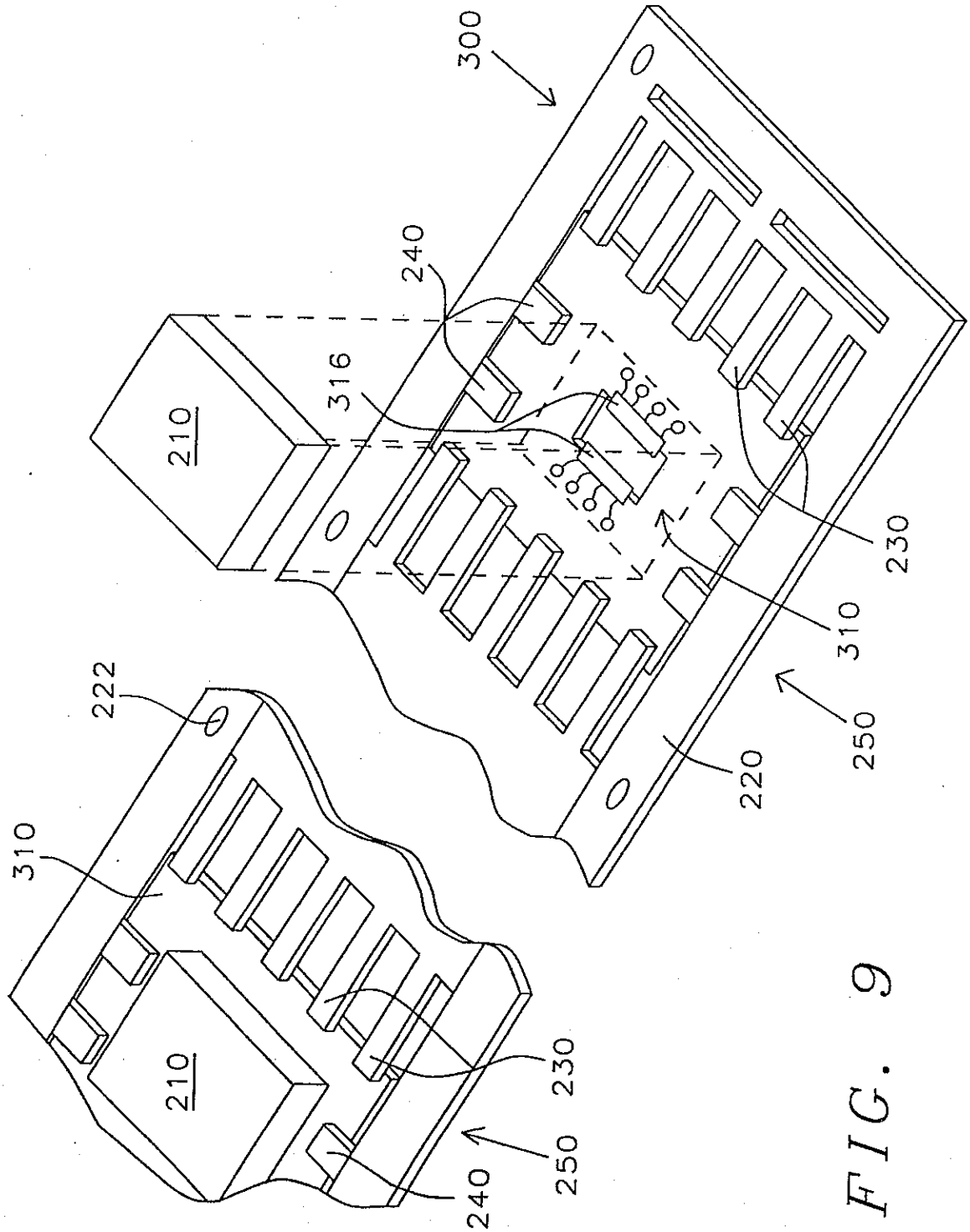


FIG. 9

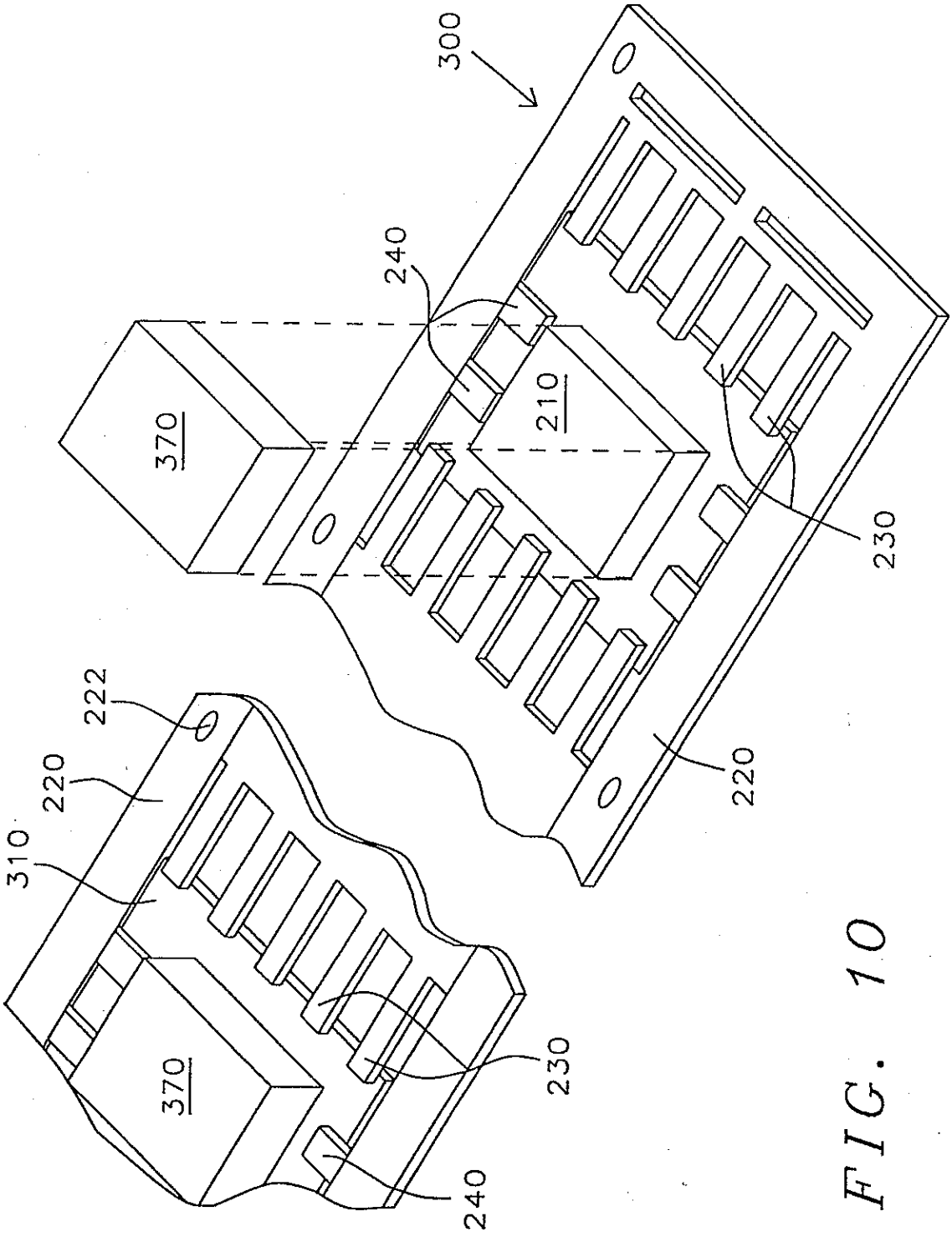


FIG. 10

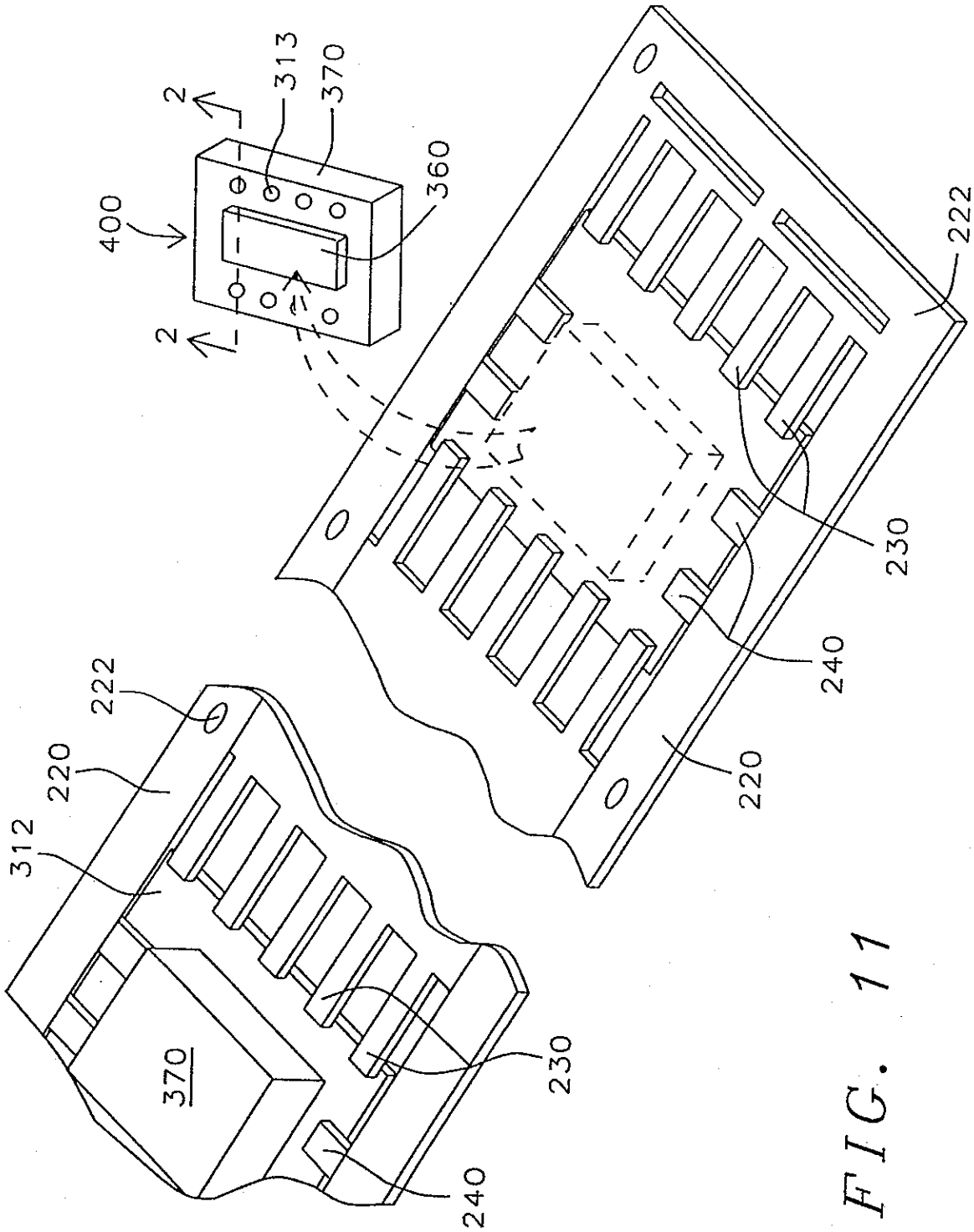


FIG. 11

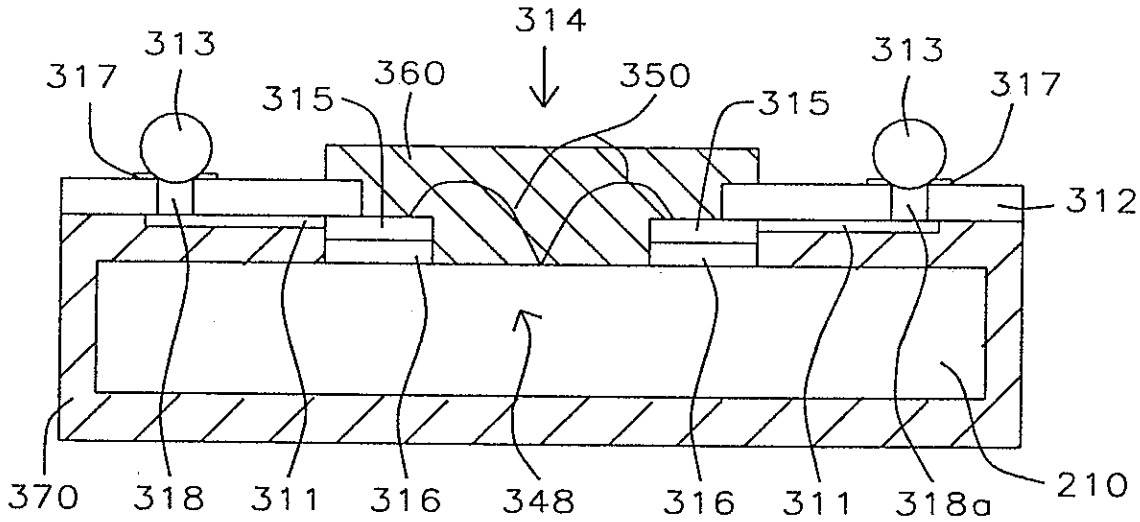

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317
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370
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311
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348
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311
318a
210

FIG. 12

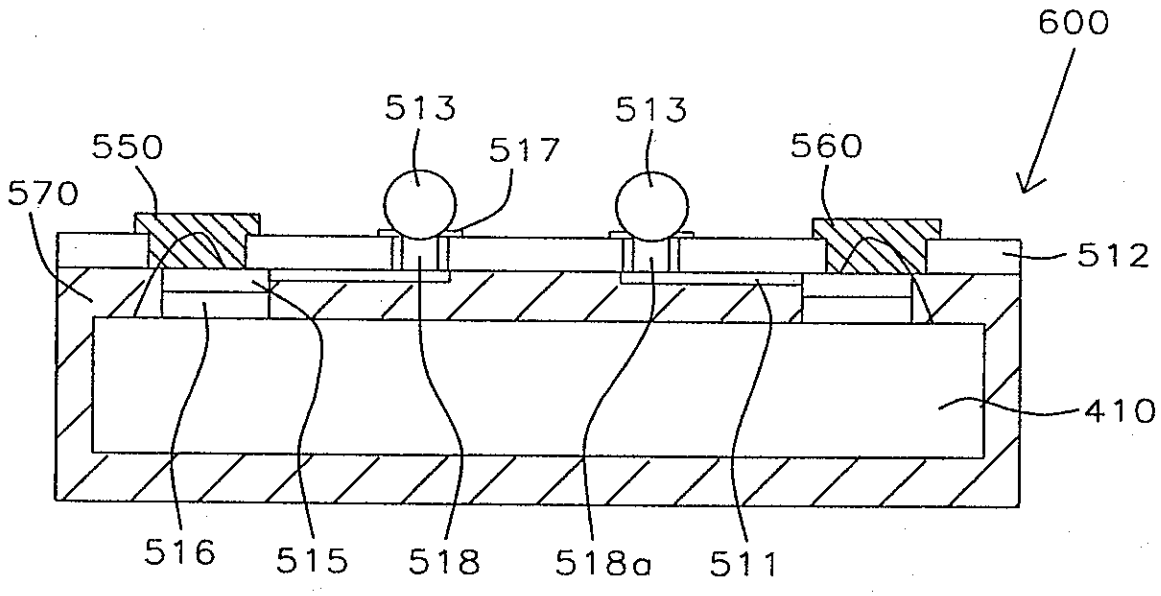

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515
518
518a
511

FIG. 14

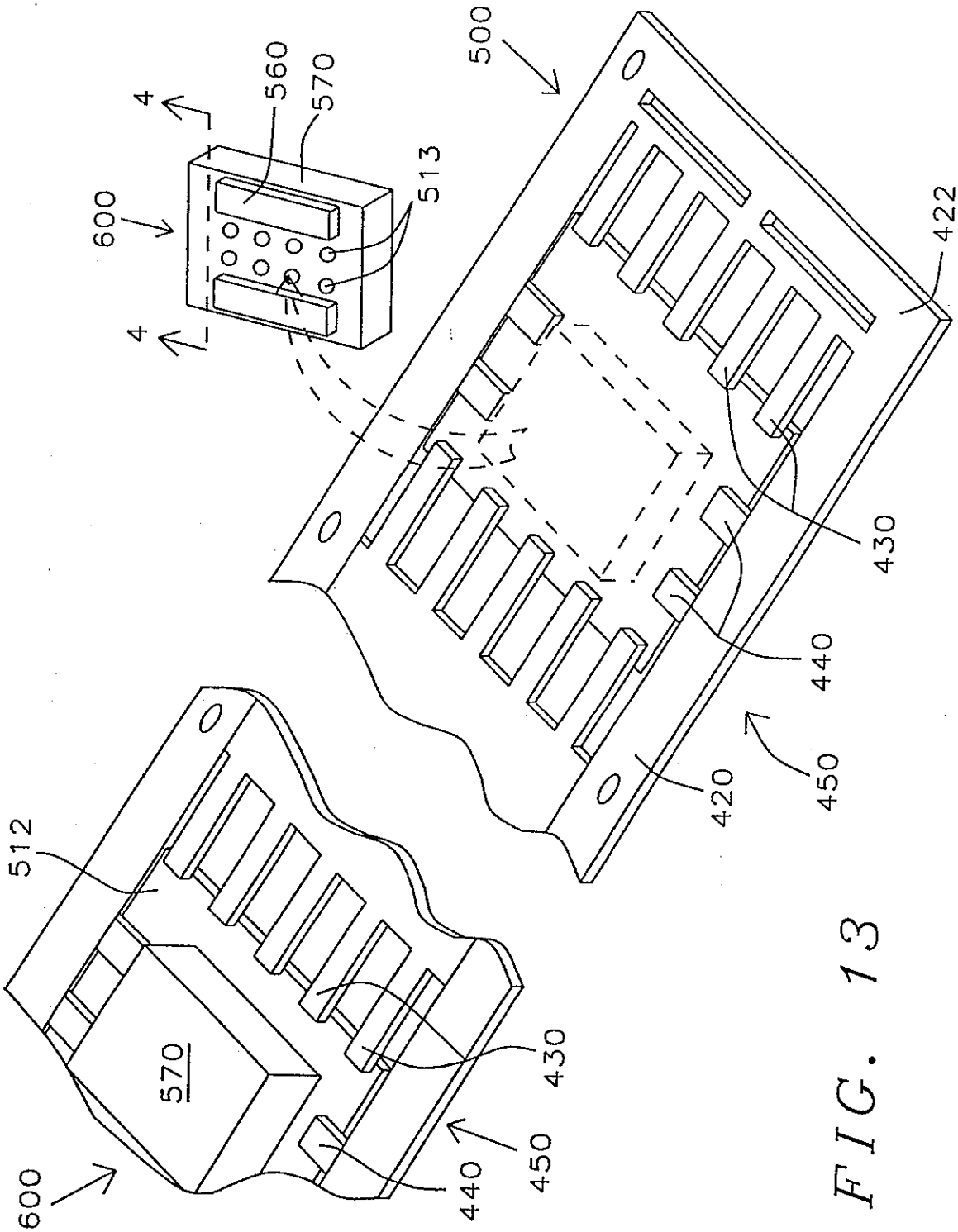

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FIG. 13

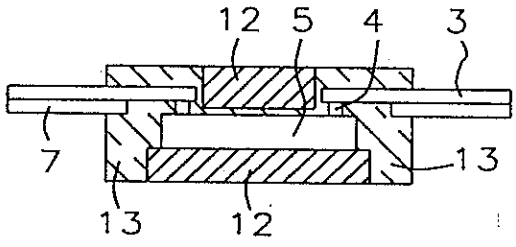


FIG. 15

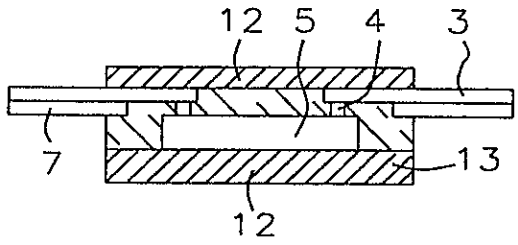


FIG. 16

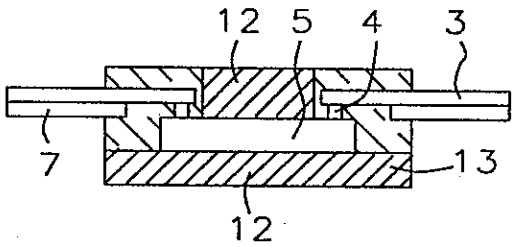


FIG. 17

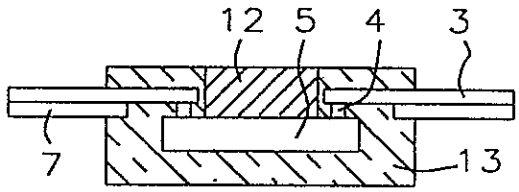


FIG. 18

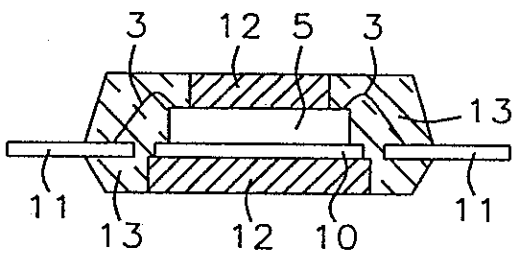


FIG. 19

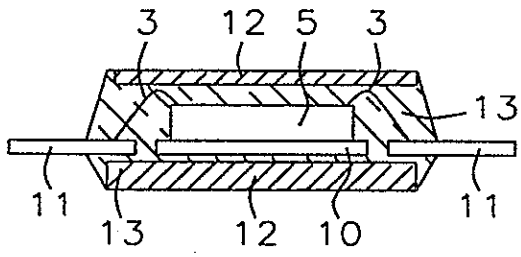


FIG. 20

24 SEP 2004

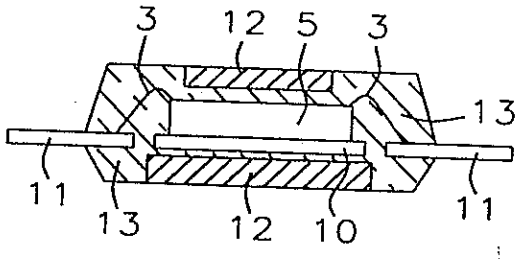


FIG. 21

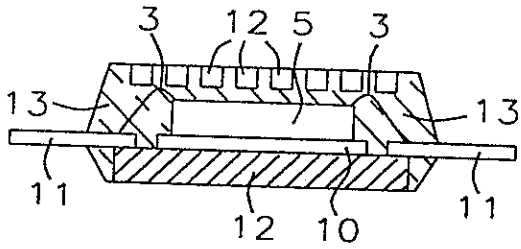


FIG. 22

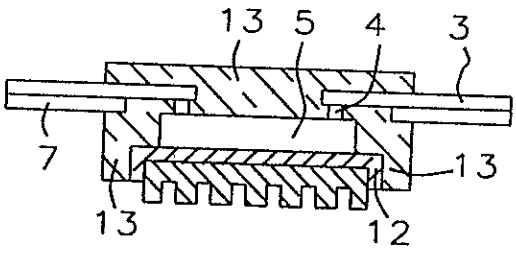


FIG. 23

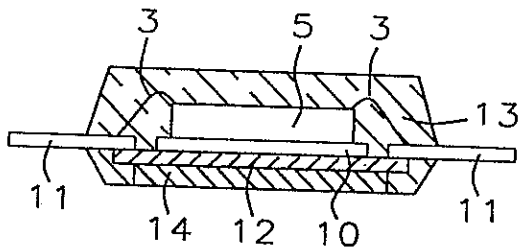


FIG. 24

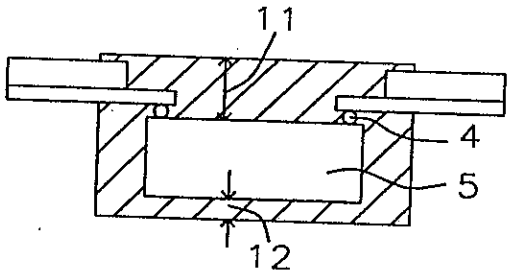


FIG. 25

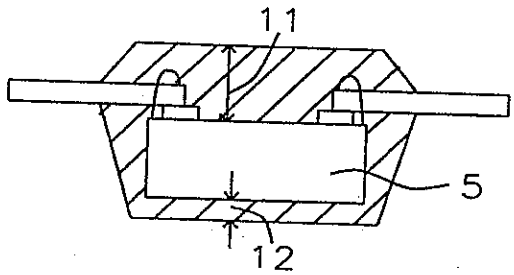


FIG. 26

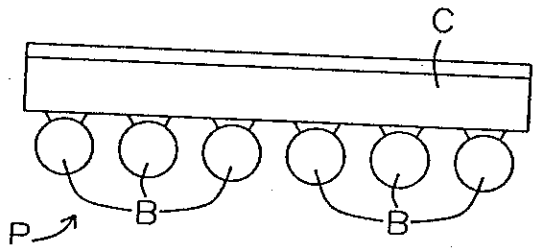


FIG. 27

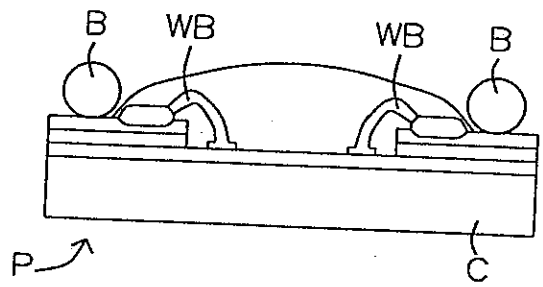


FIG. 28

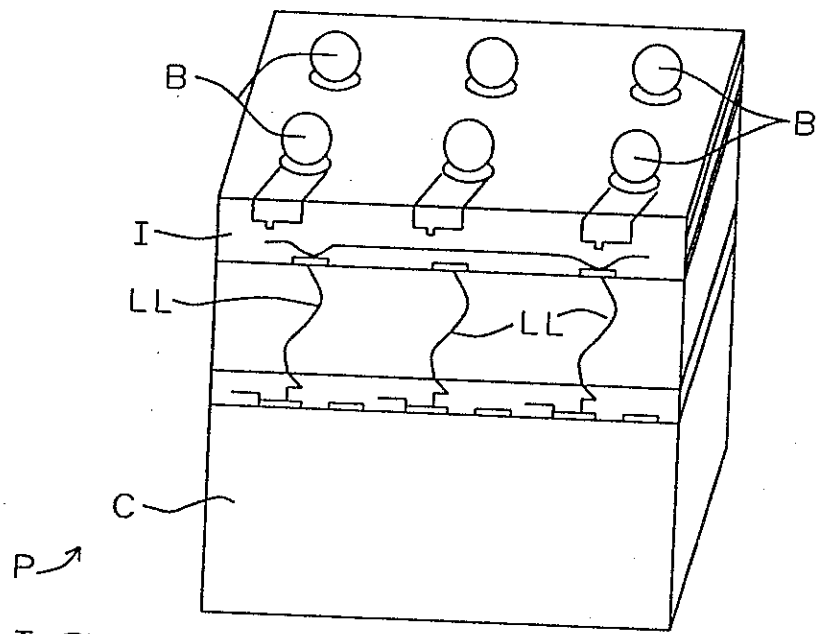


FIG. 29

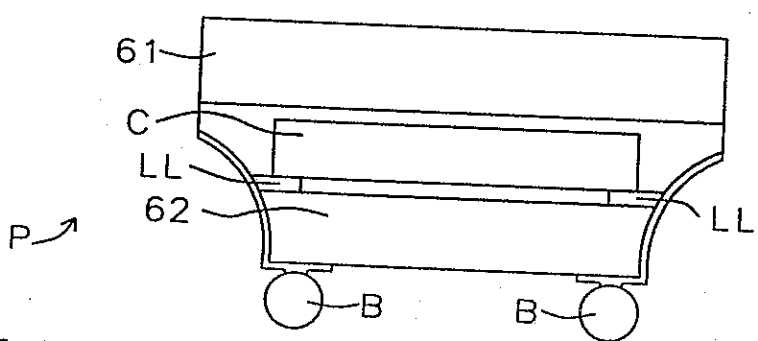


FIG. 30

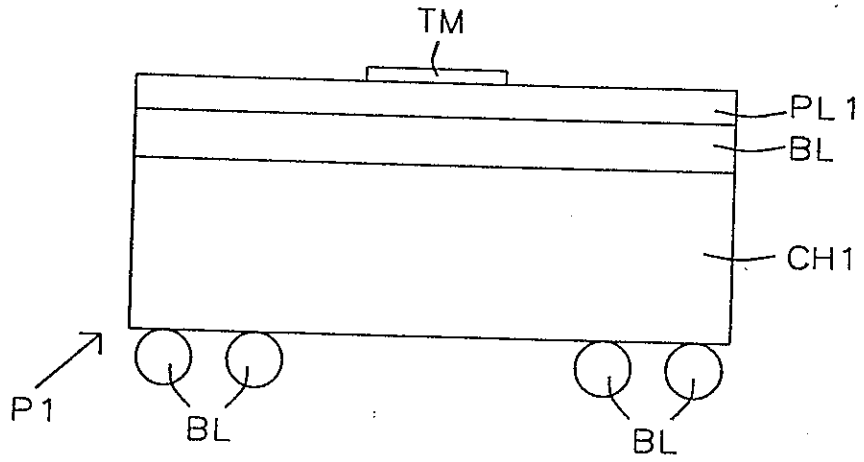


FIG. 31

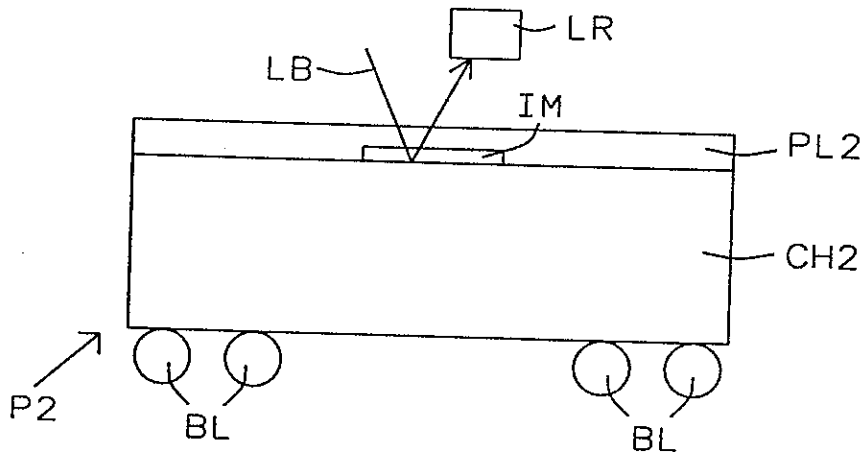


FIG. 32

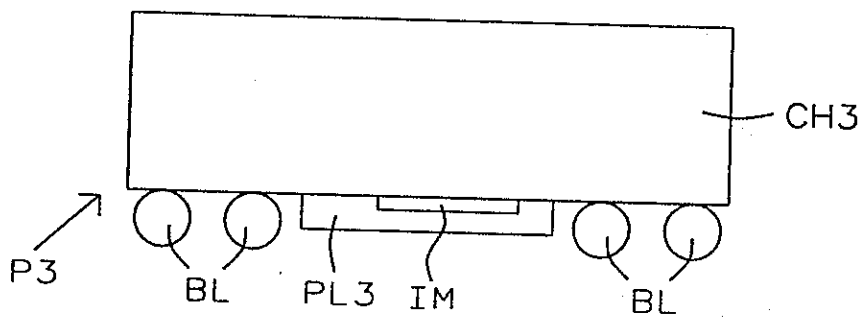


FIG. 33

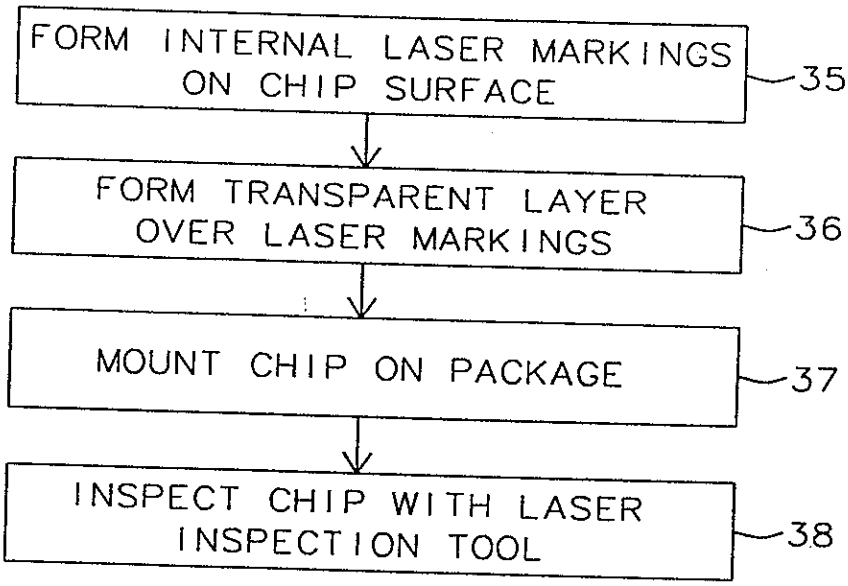

FORM INTERNAL LASER MARKINGS ON CHIP SURFACE
35
FORM TRANSPARENT LAYER OVER LASER MARKINGS
36
MOUNT CHIP ON PACKAGE
37
INSPECT CHIP WITH LASER INSPECTION TOOL
38

FIG. 34

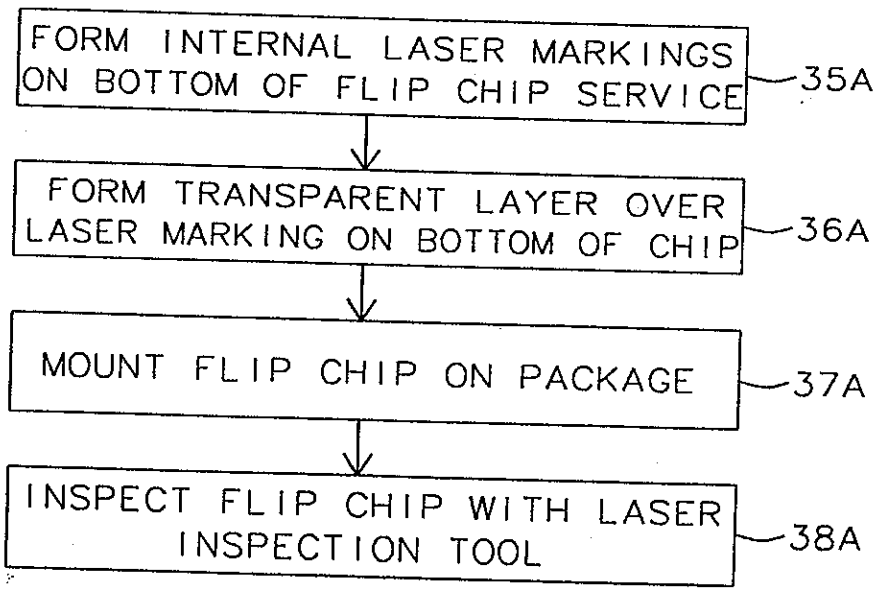

FORM INTERNAL LASER MARKINGS ON BOTTOM OF FLIP CHIP SERVICE
35A
FORM TRANSPARENT LAYER OVER LASER MARKING ON BOTTOM OF CHIP
36A
MOUNT FLIP CHIP ON PACKAGE
37A
INSPECT FLIP CHIP WITH LASER INSPECTION TOOL
38A

FIG. 35

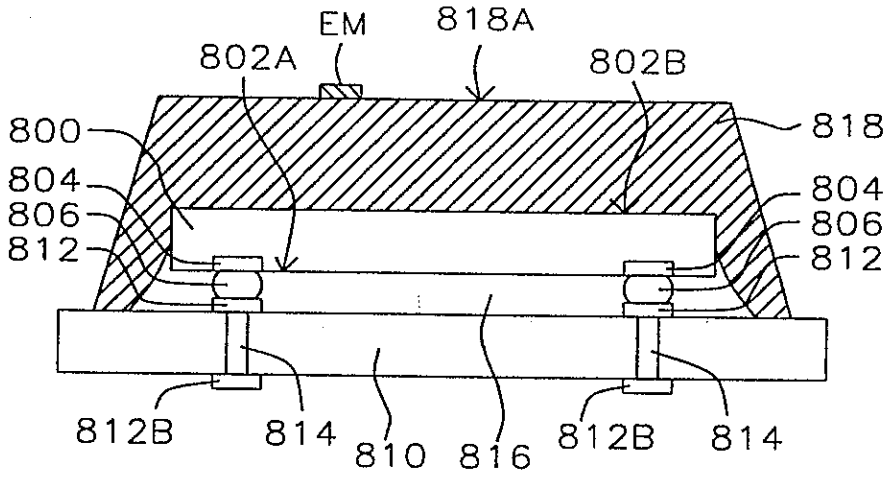


FIG. 36 – Prior Art

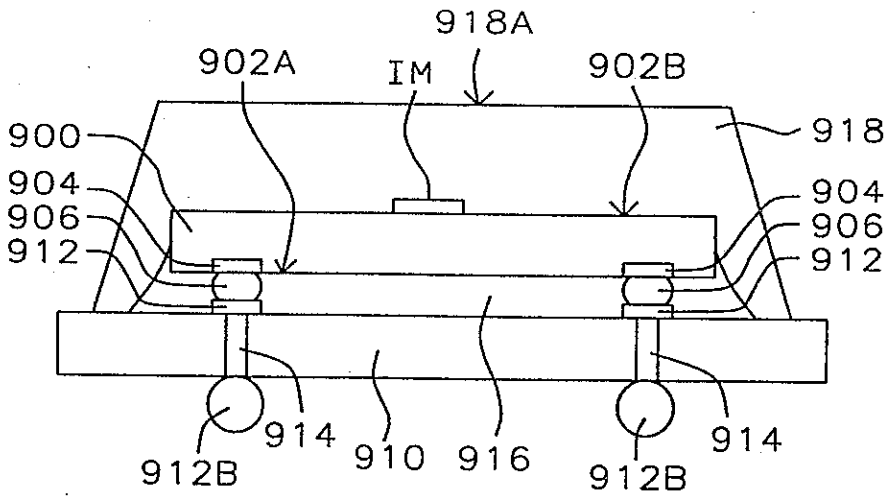


FIG. 37

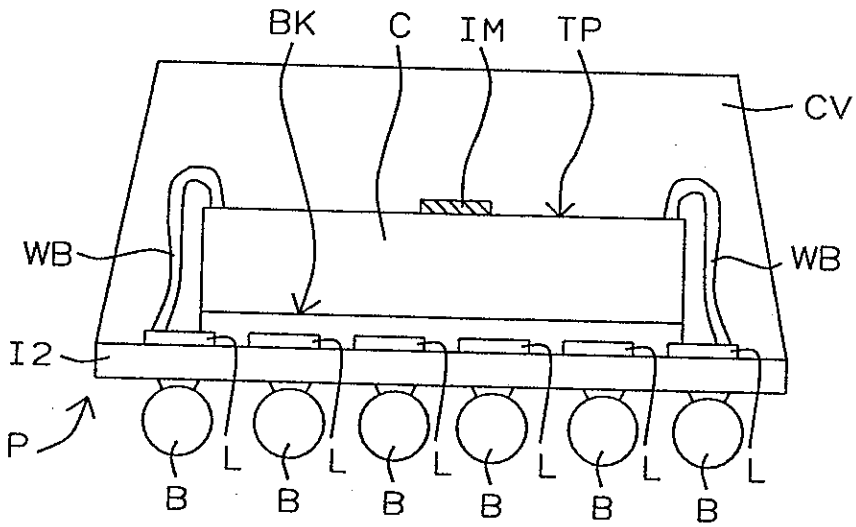


FIG. 38