

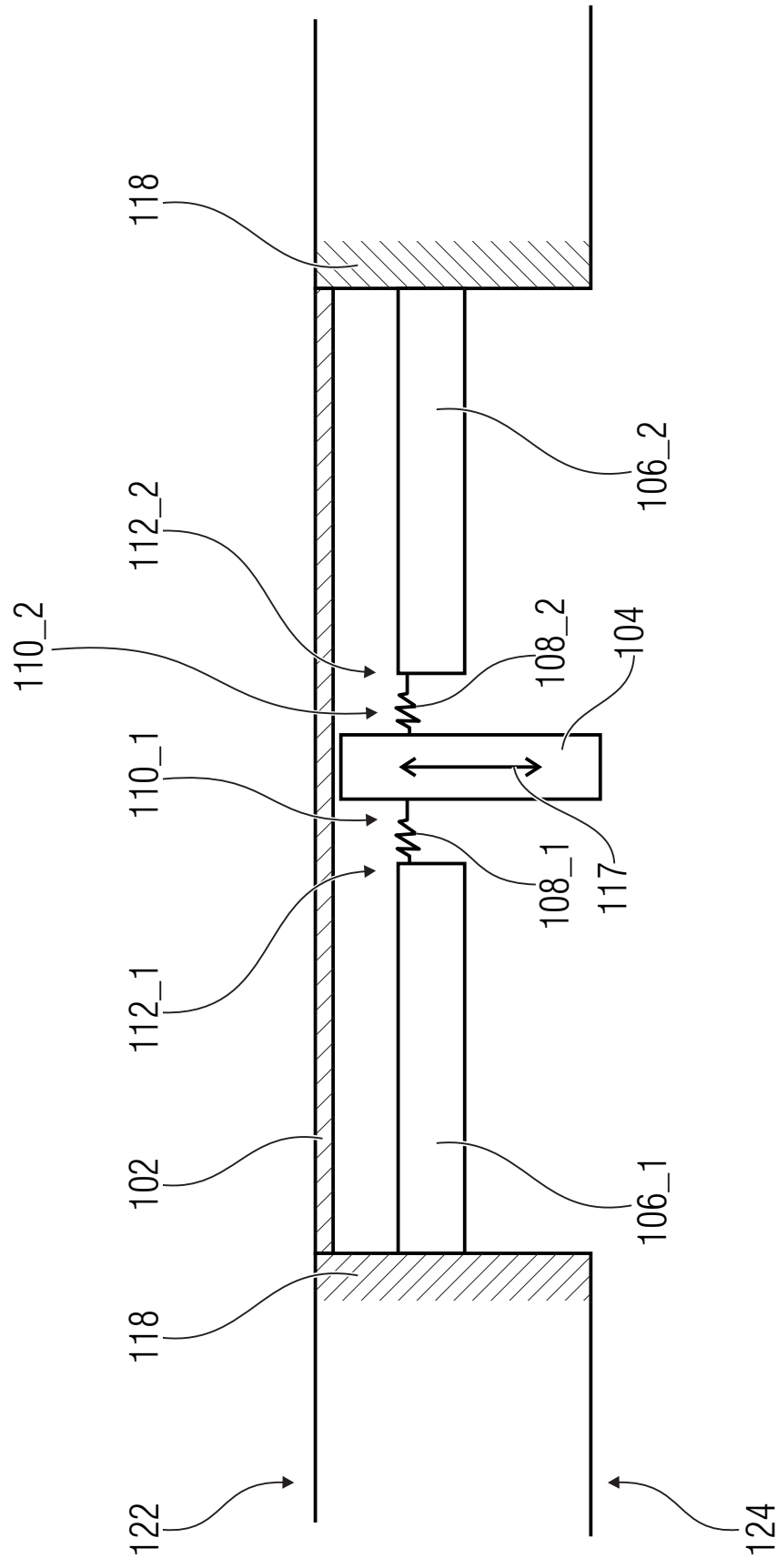


FIGURE 1A

100

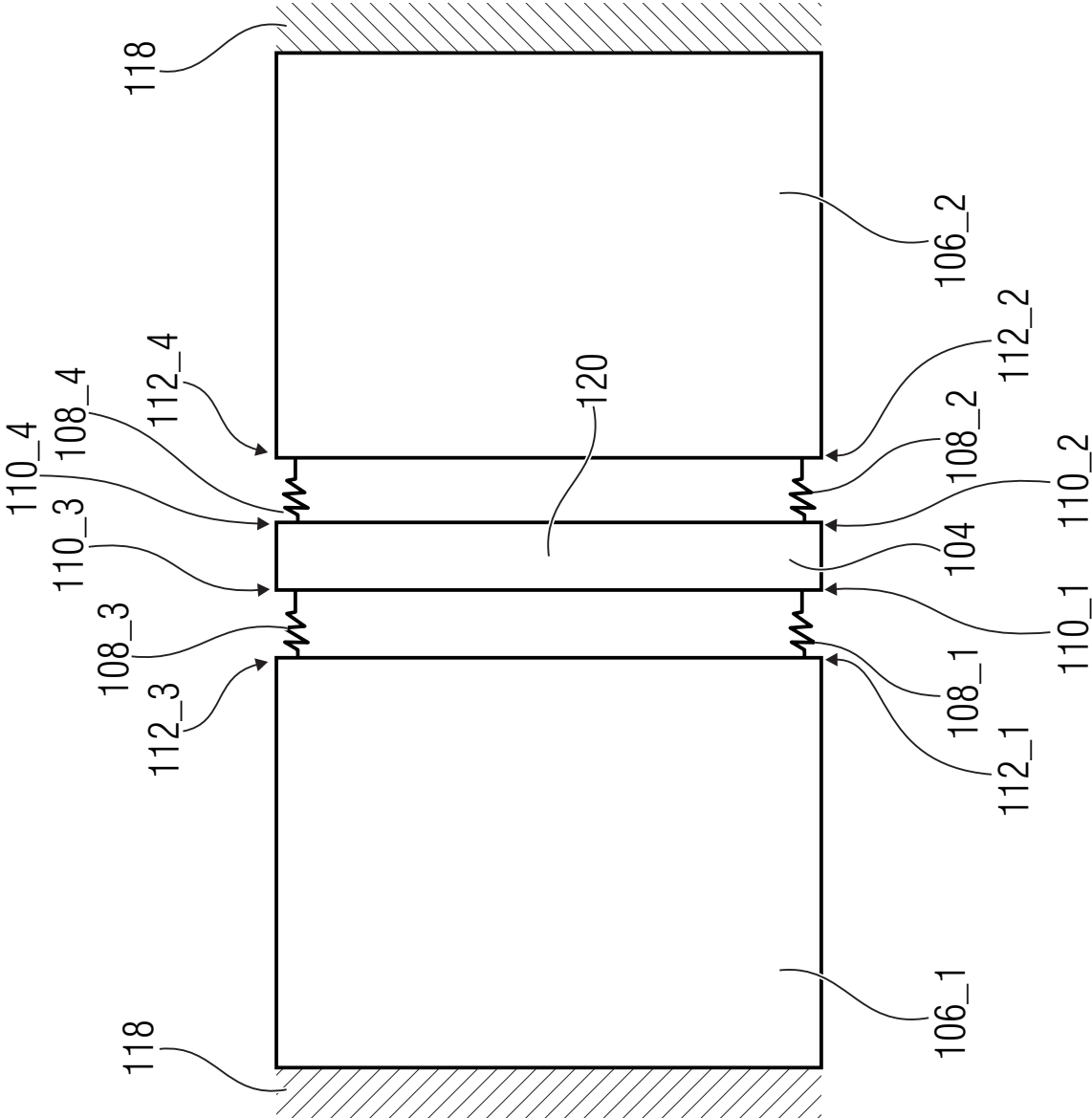


FIGURE 1B

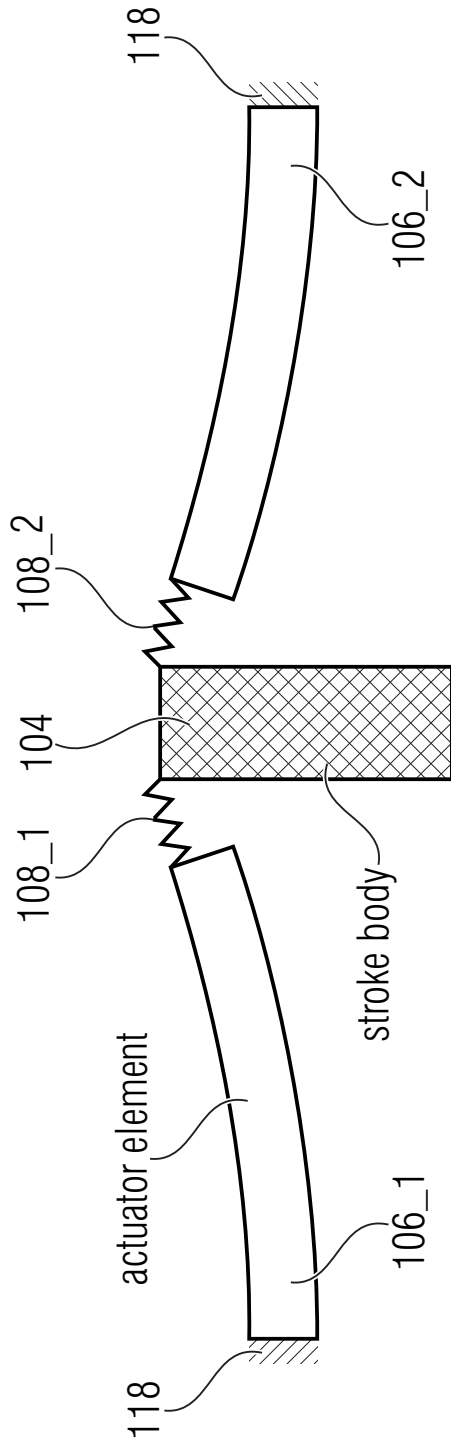


FIGURE 2A

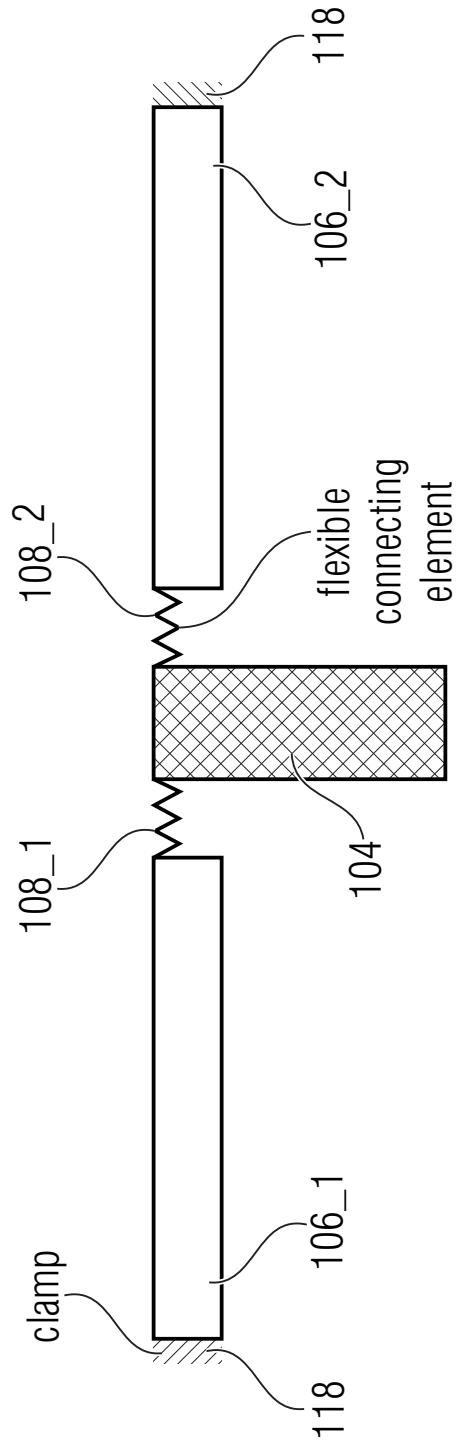


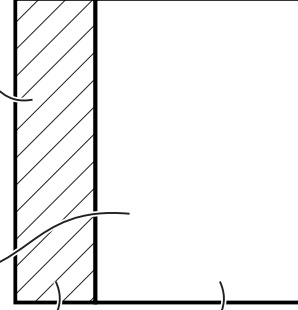
FIGURE 2B

passive layer

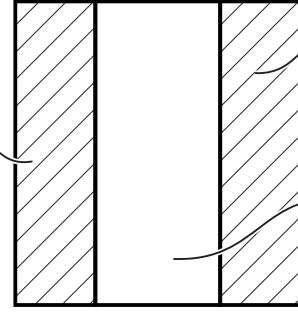
piezoelectric layer

133

135



133a



135

133b

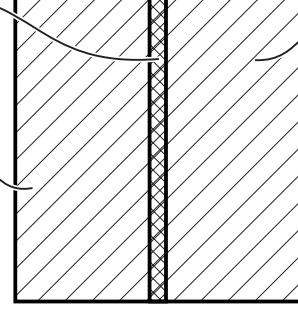
FIGURE 3A

FIGURE 3B

133a

separation layer

137



133b

FIGURE 3C

FIGURE 3D

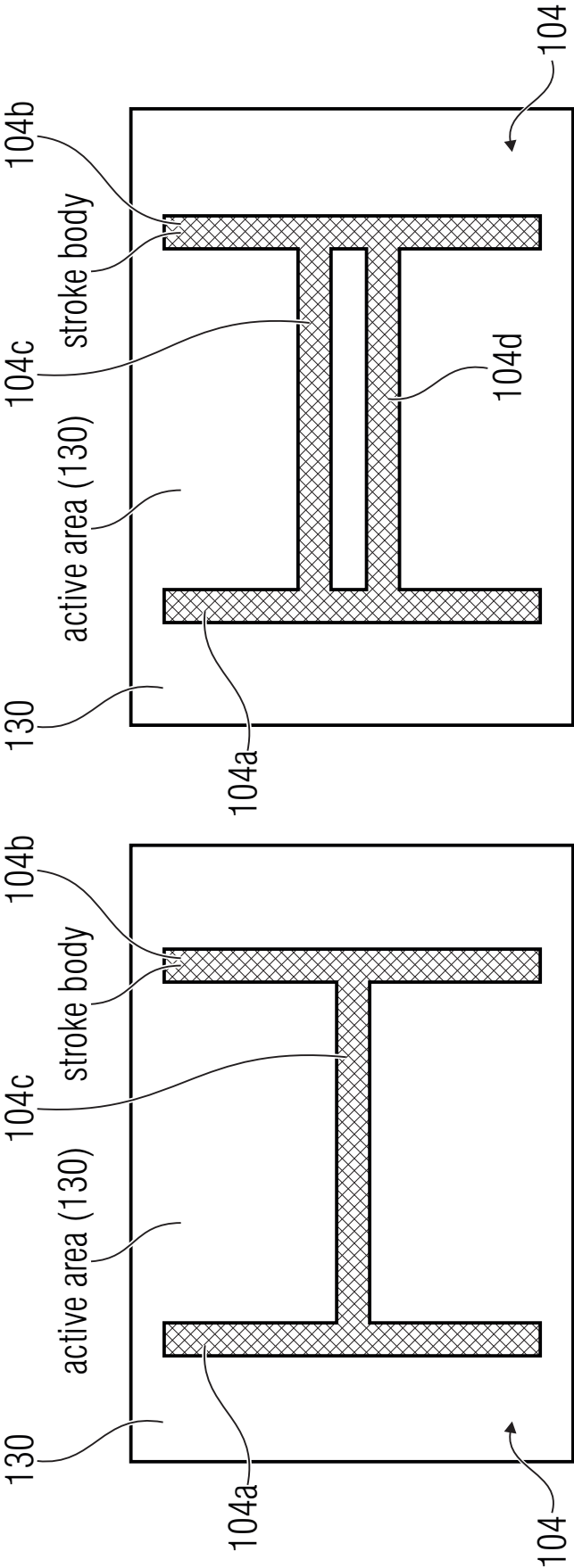


FIGURE 4B

FIGURE 4A

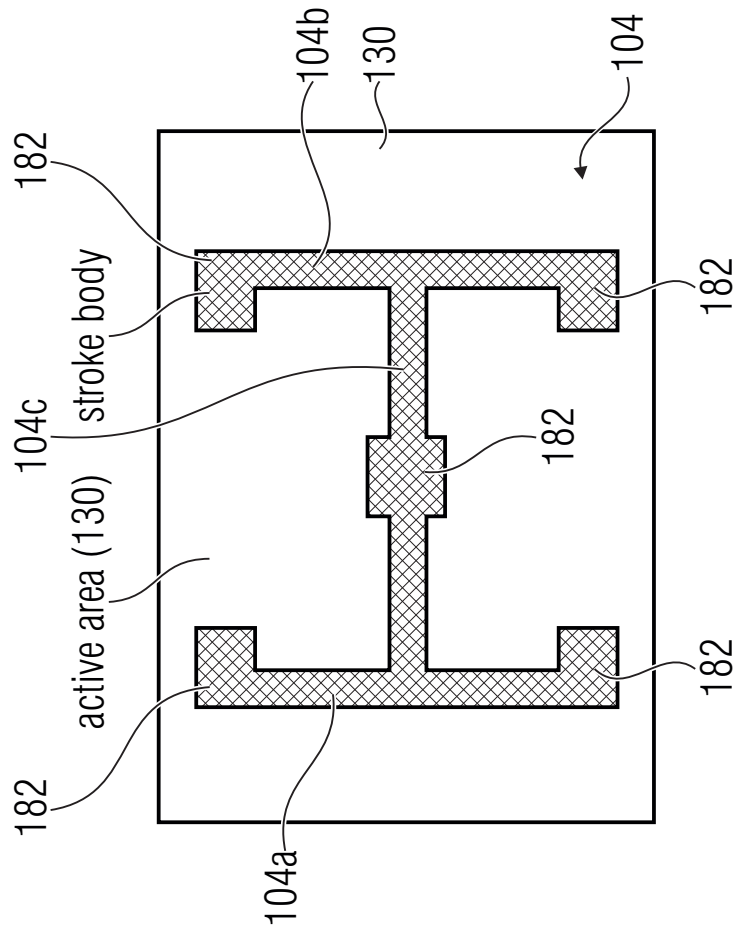


FIGURE 4C

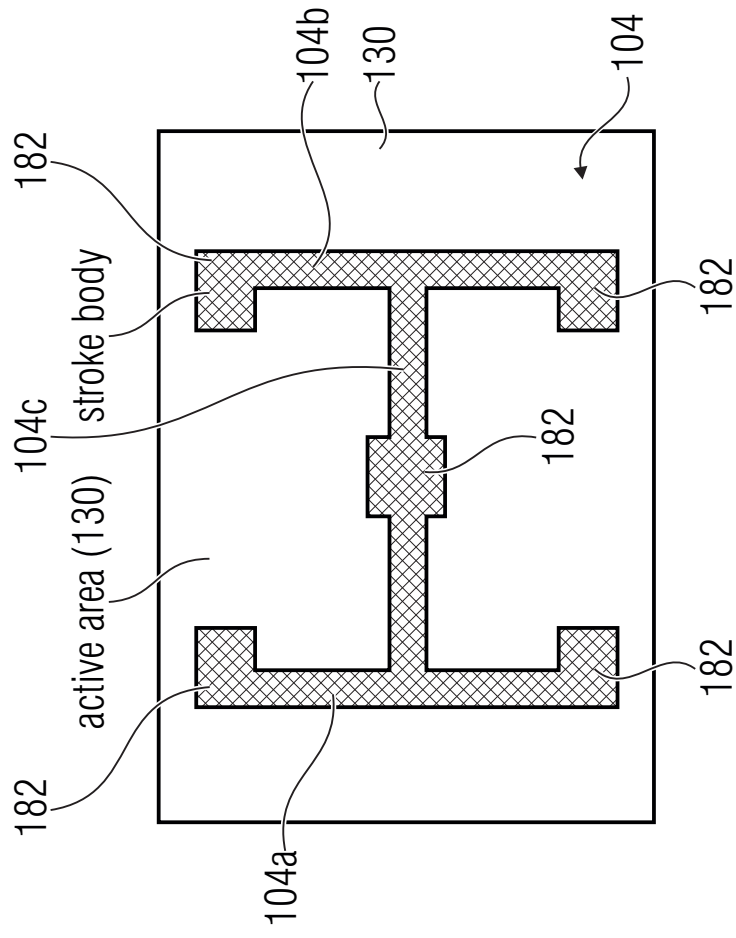


FIGURE 4D

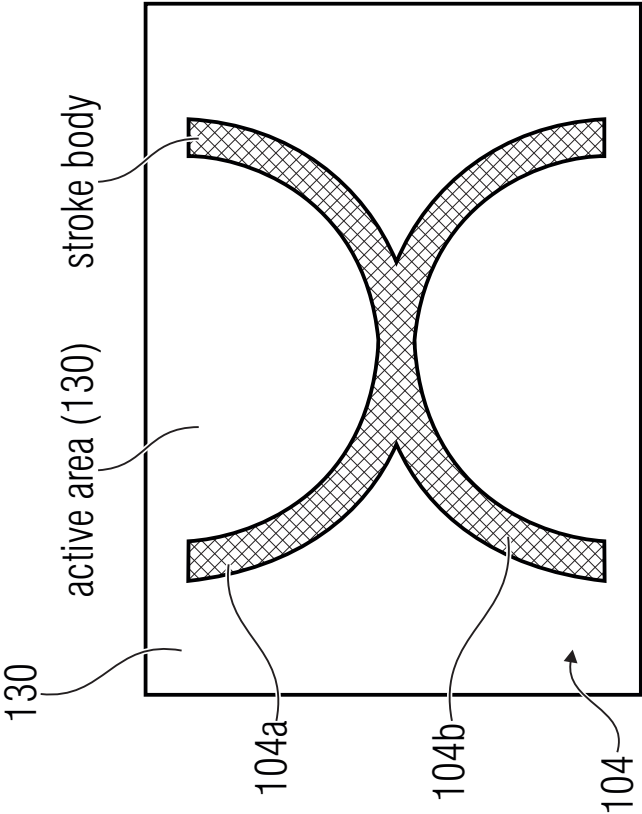


FIGURE 4E

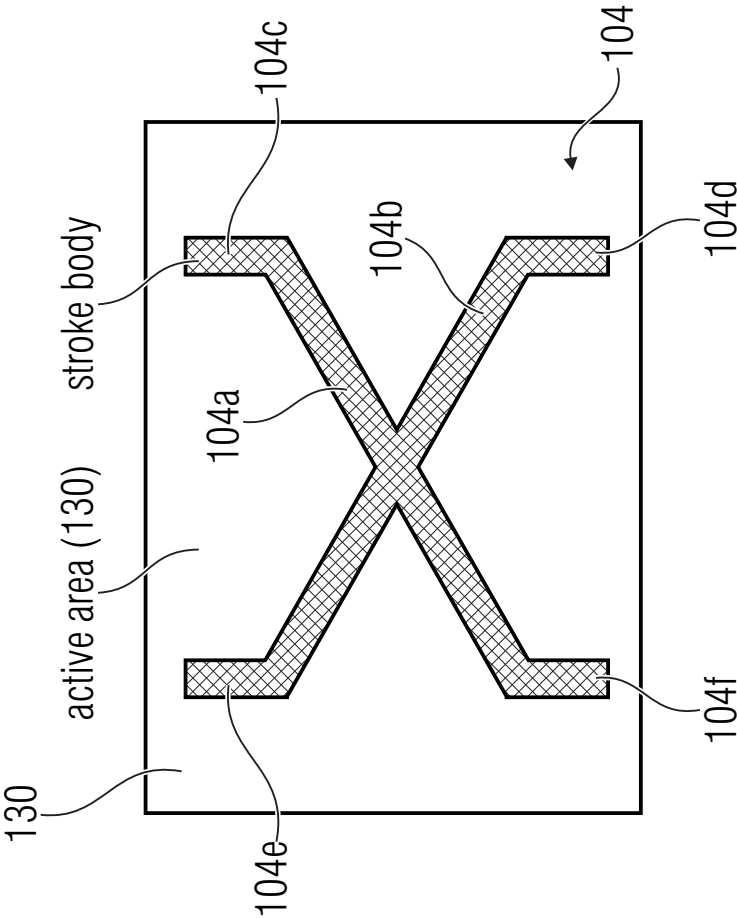


FIGURE 4F

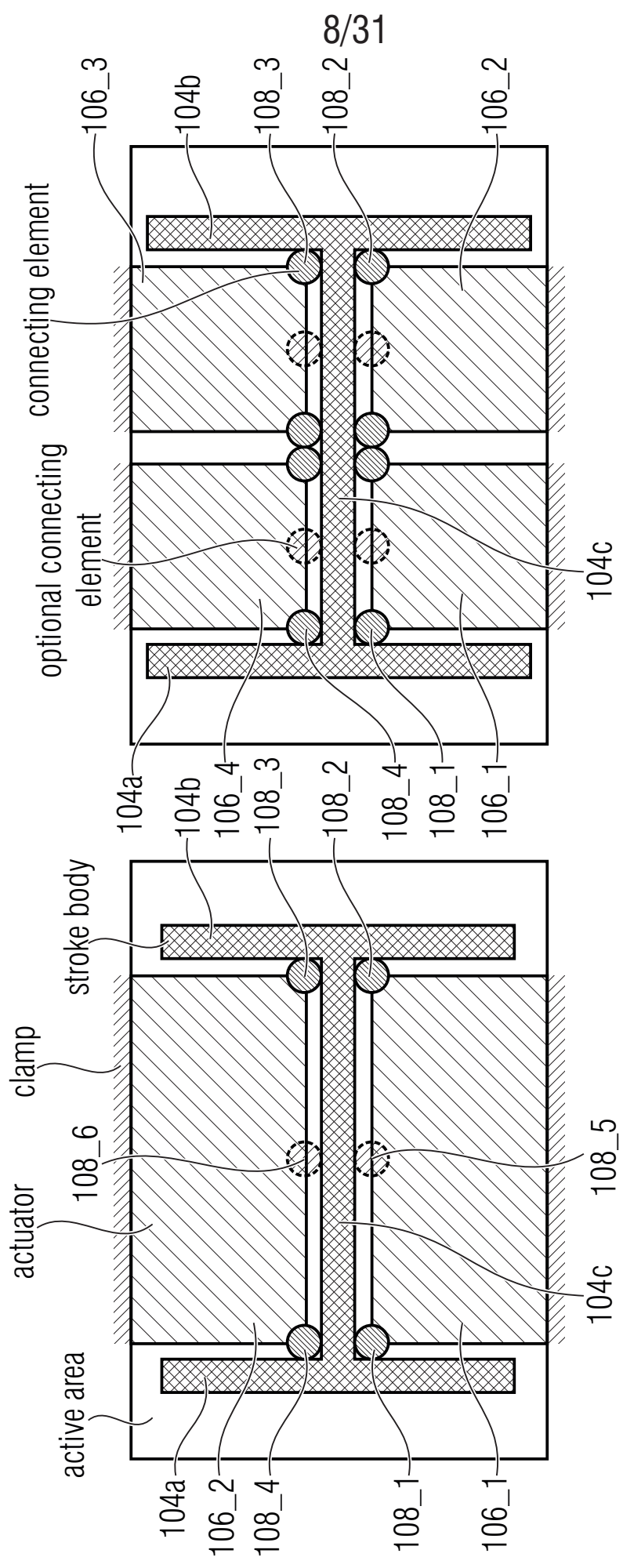


FIGURE 5B

FIGURE 5A

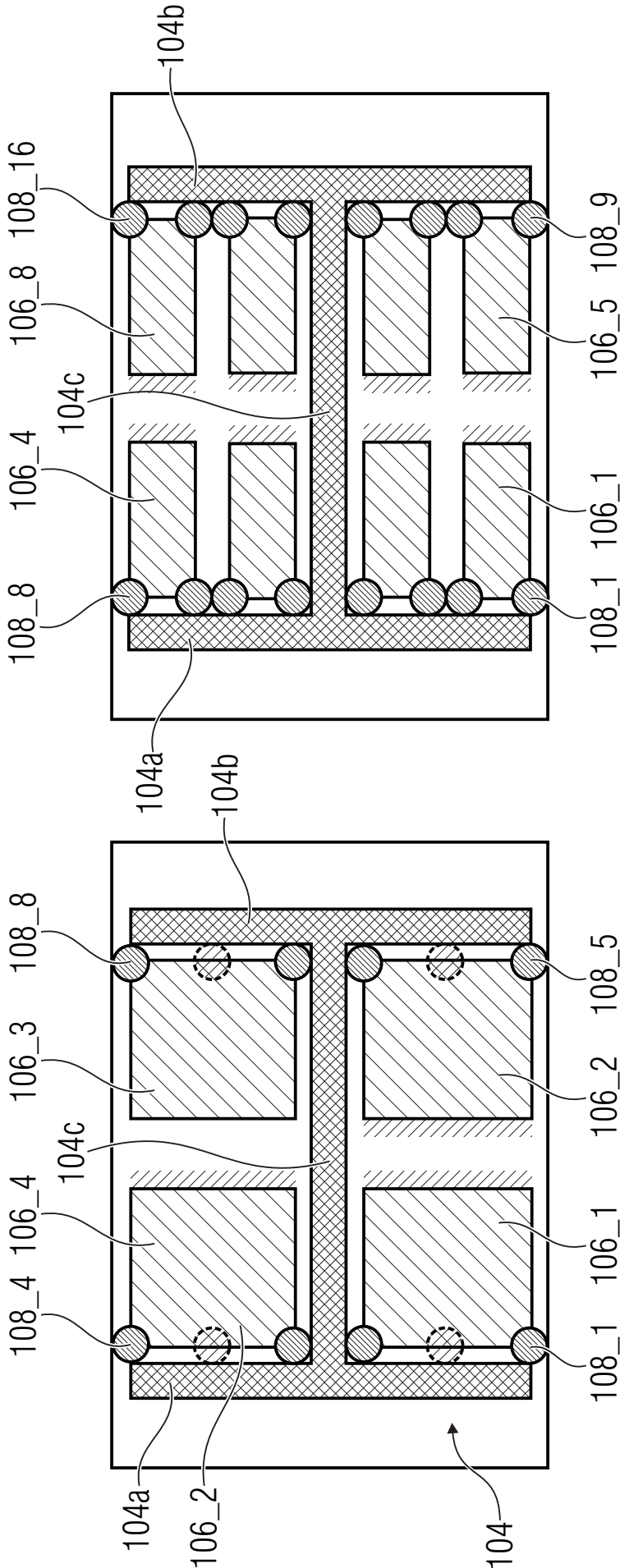
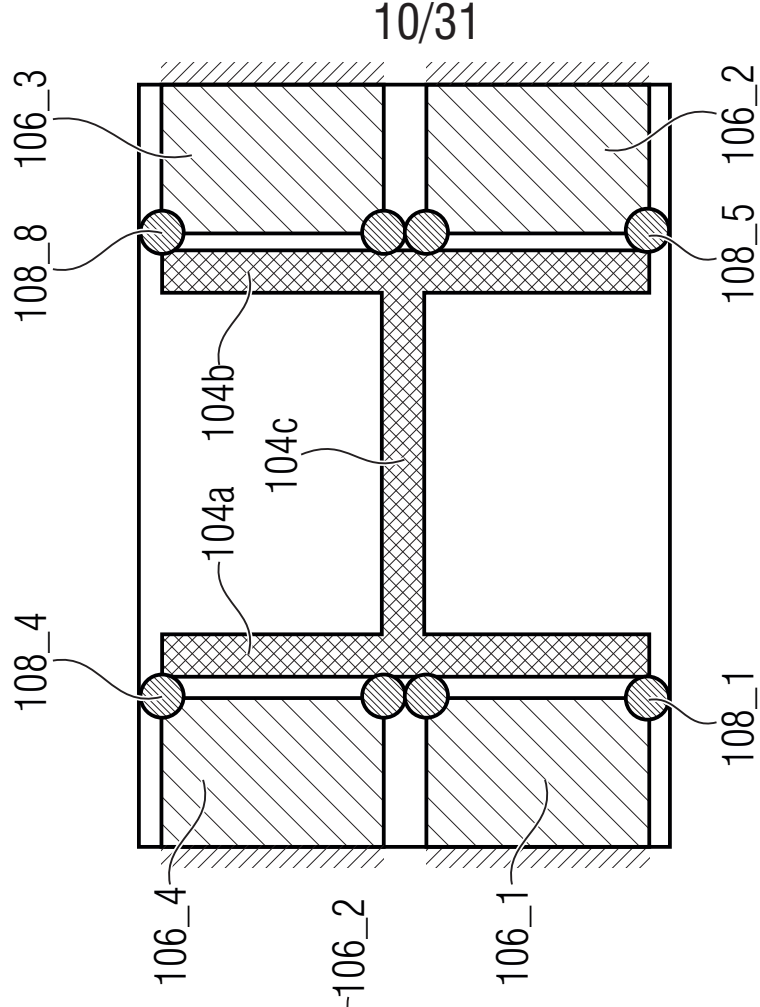
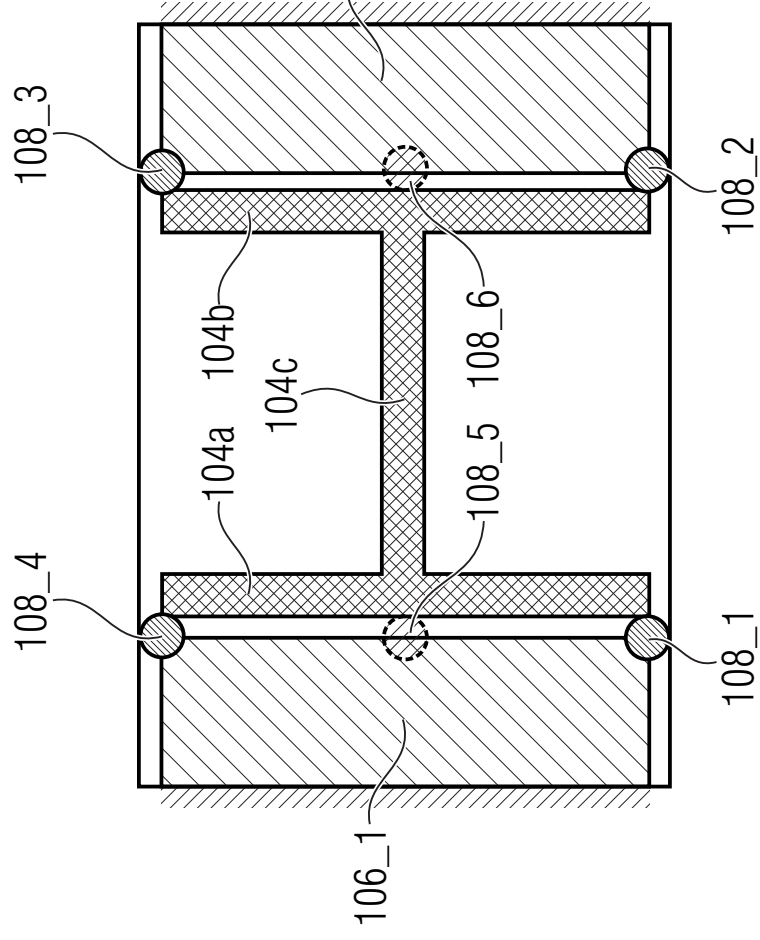


FIGURE 5C

FIGURE 5D



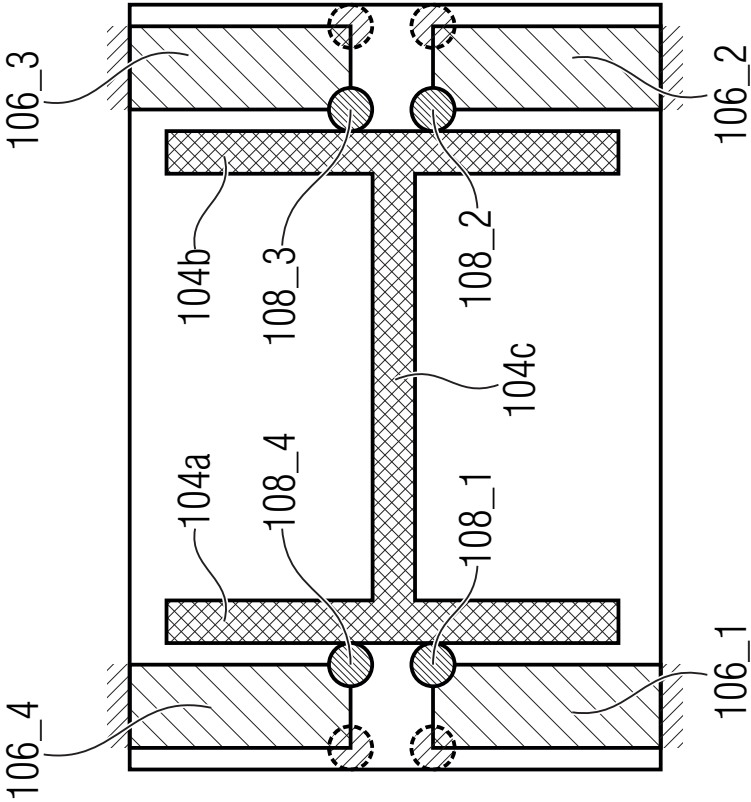


FIGURE 5H

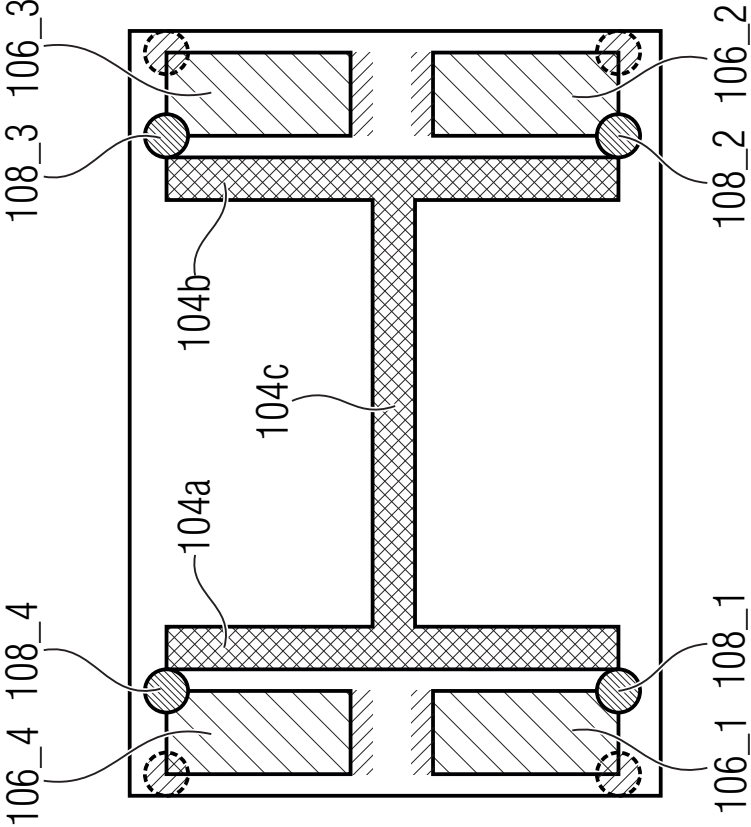


FIGURE 5G

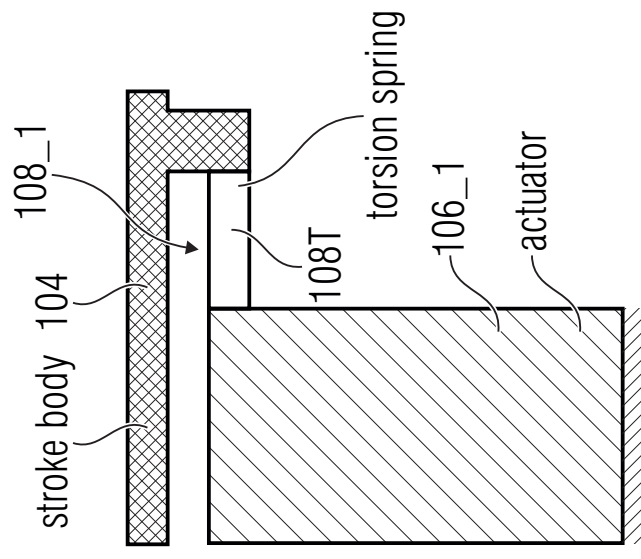


FIGURE 6B

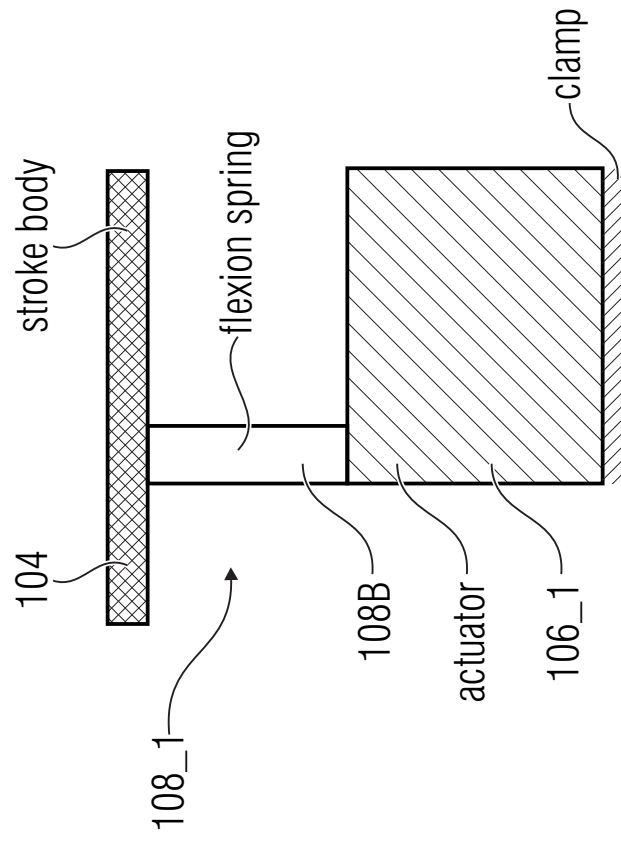


FIGURE 6A

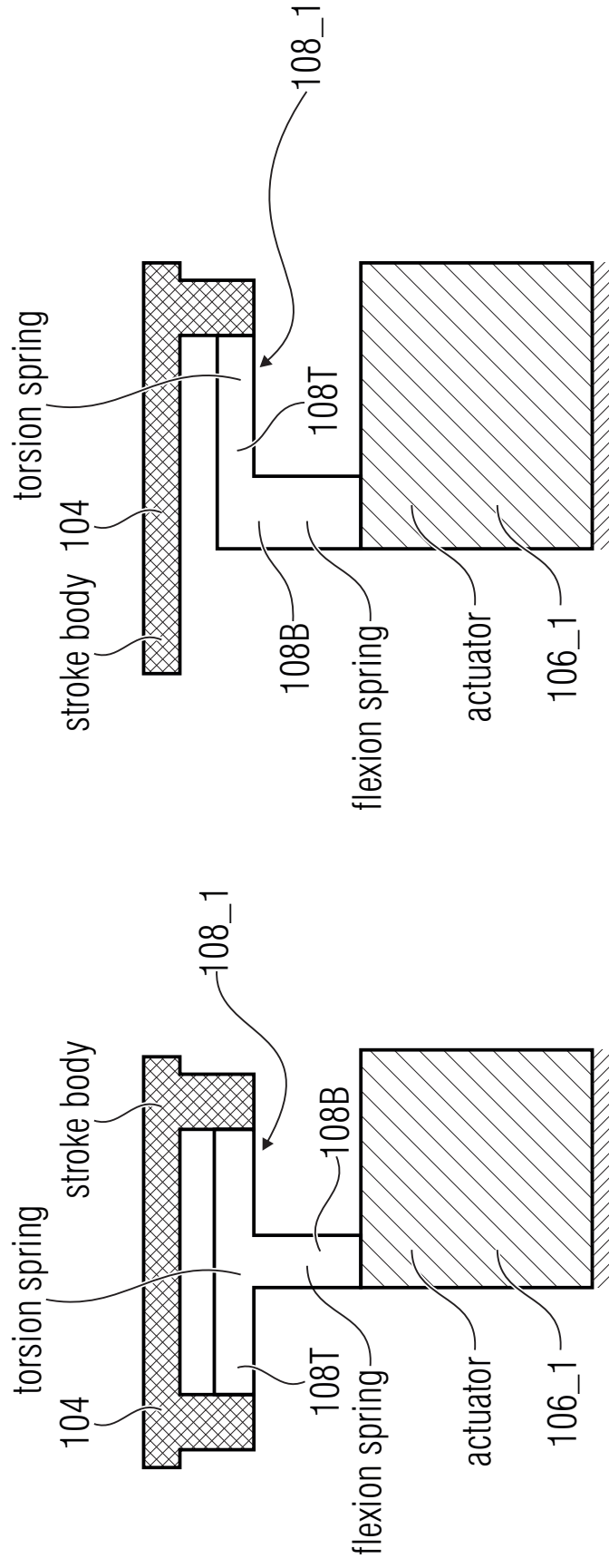


FIGURE 6C

FIGURE 6D

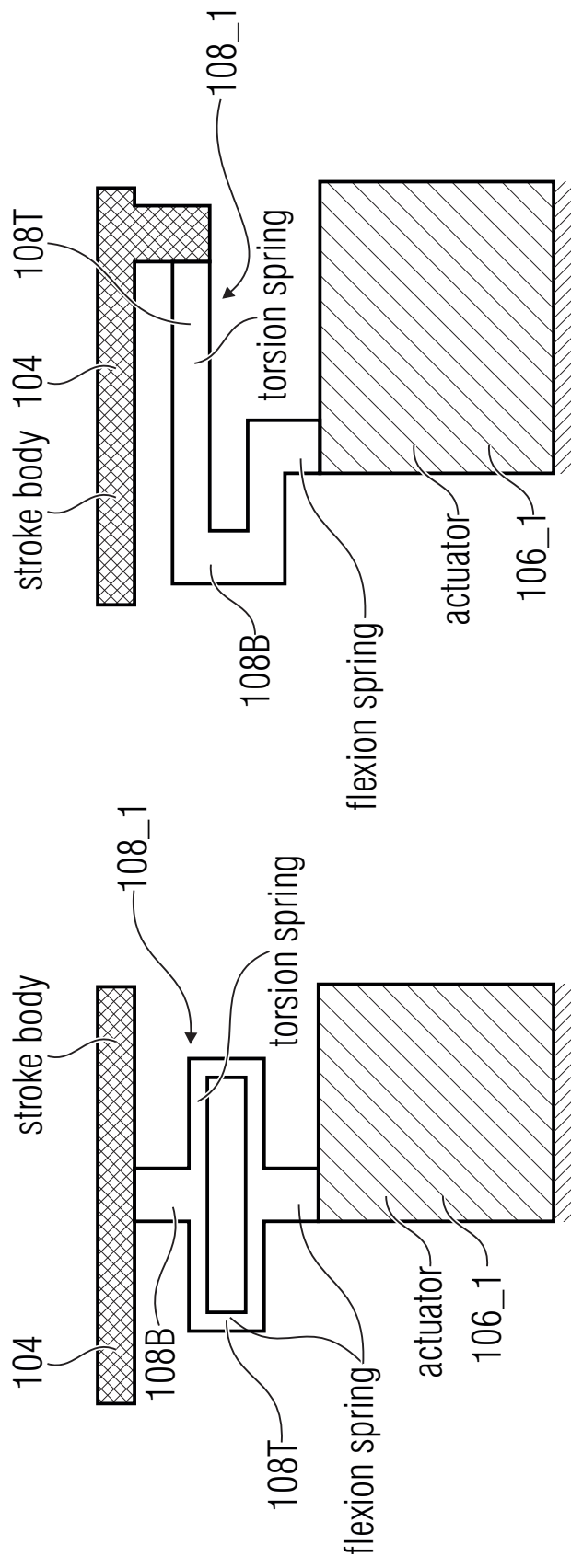


FIGURE 6E

FIGURE 6F

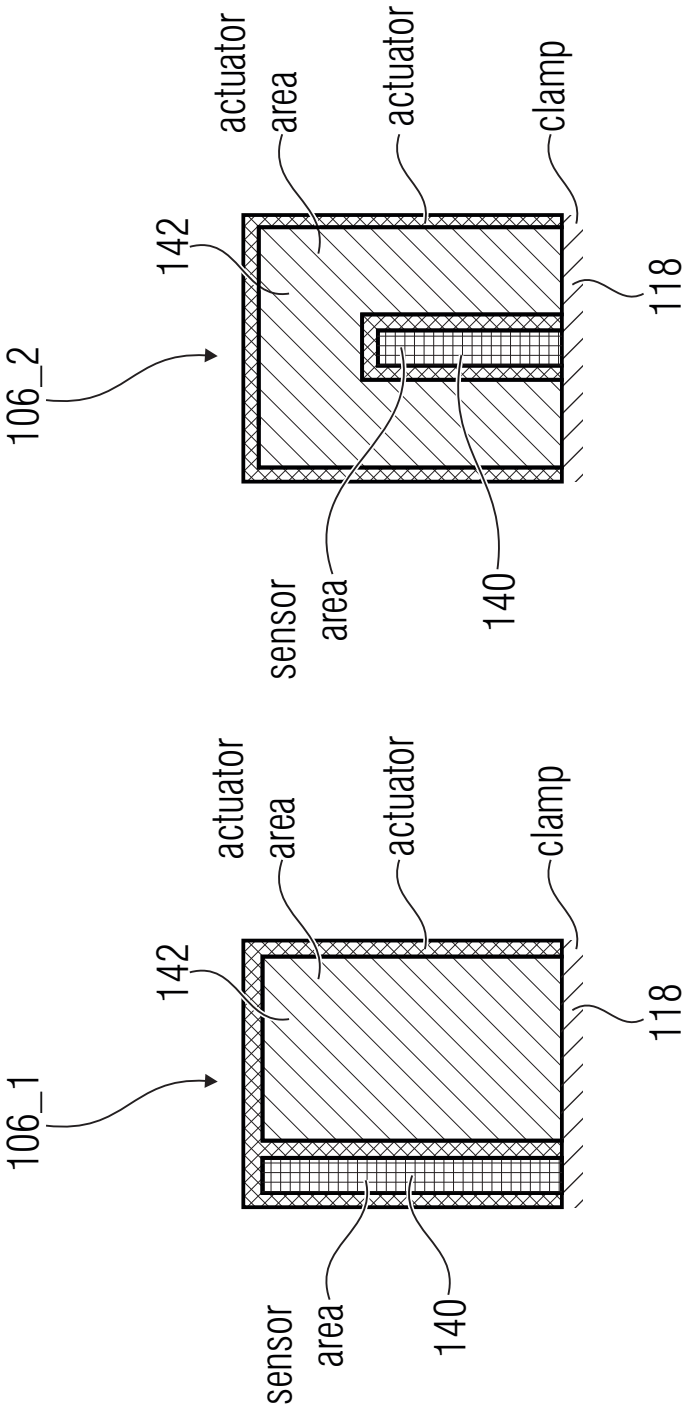


FIGURE 7A

FIGURE 7B

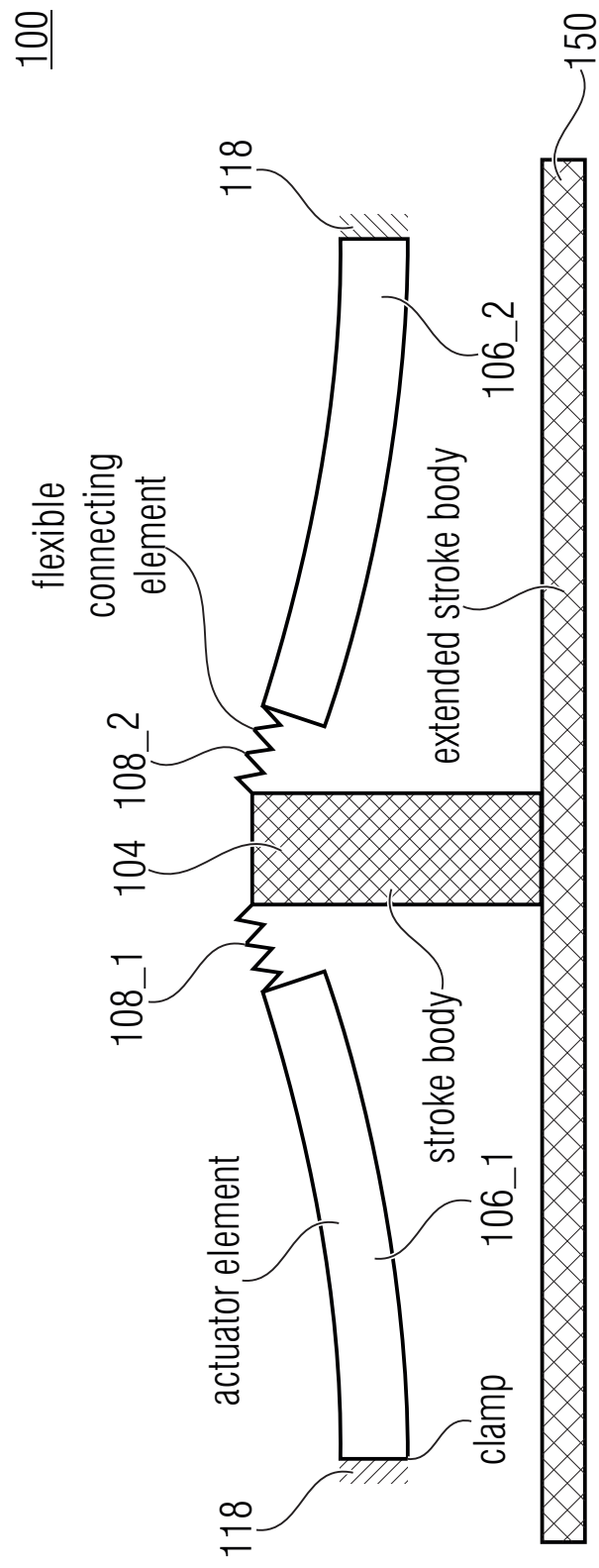


FIGURE 8



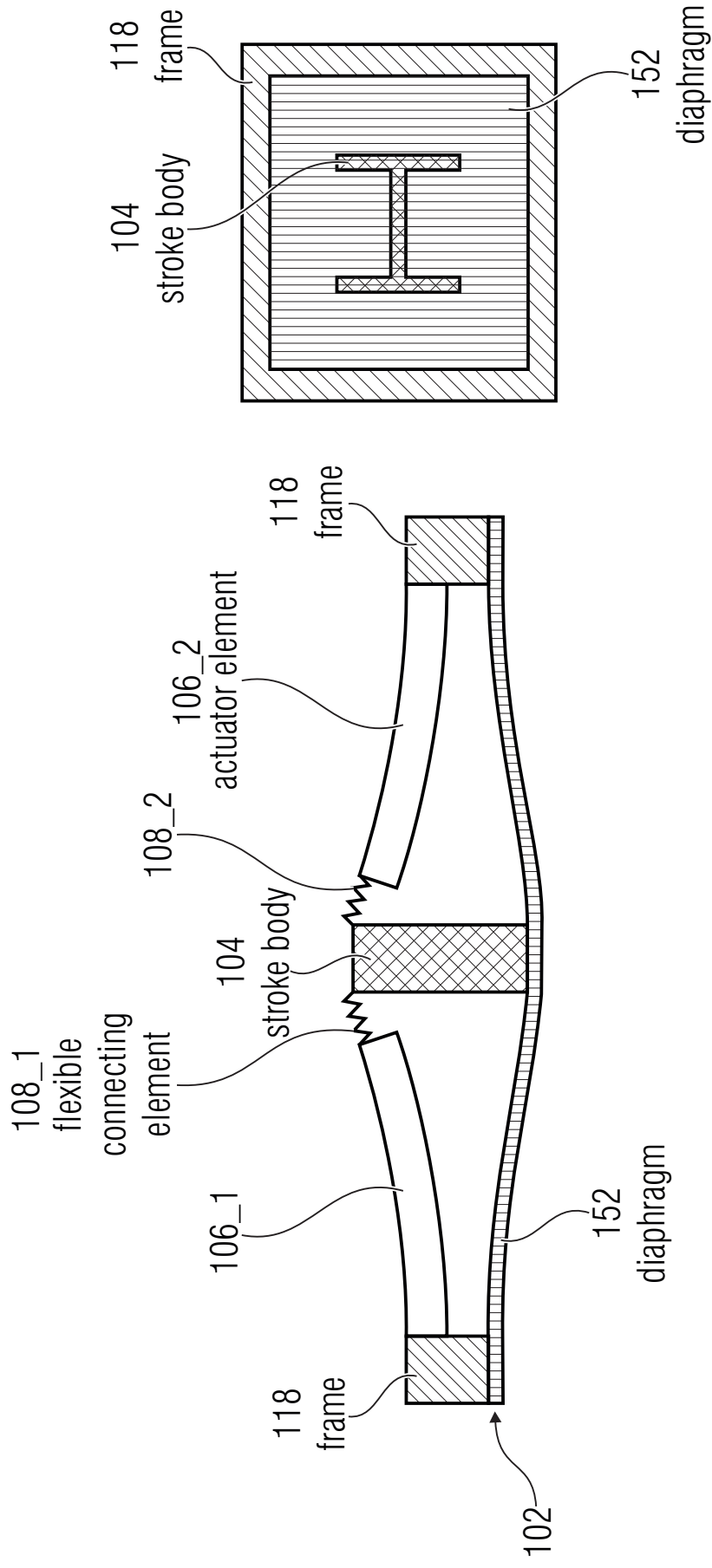


FIGURE 10A

FIGURE 10B

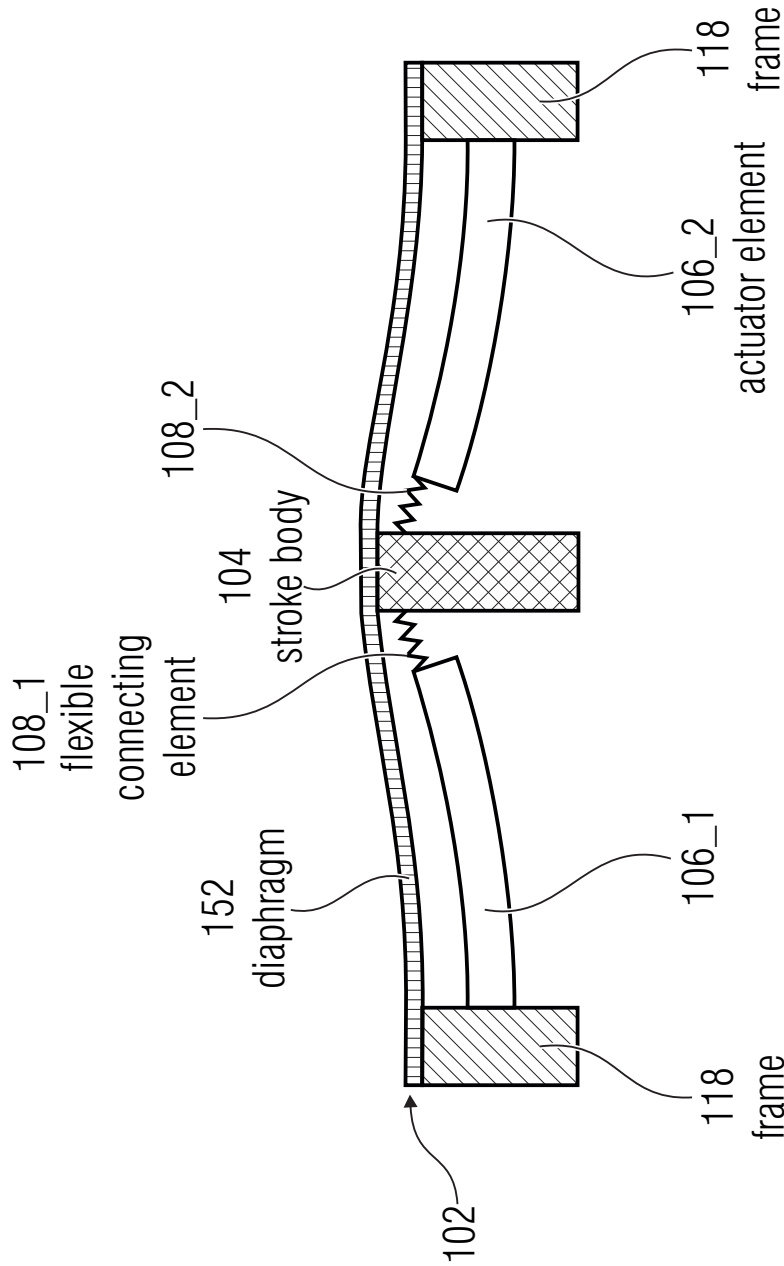


FIGURE 11A

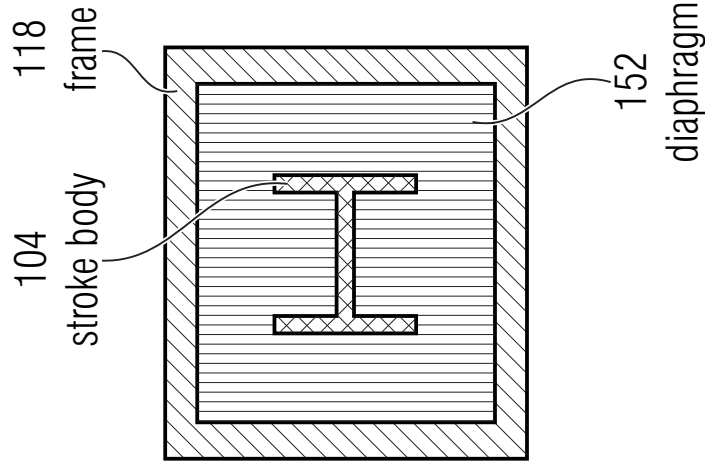


FIGURE 11B

100

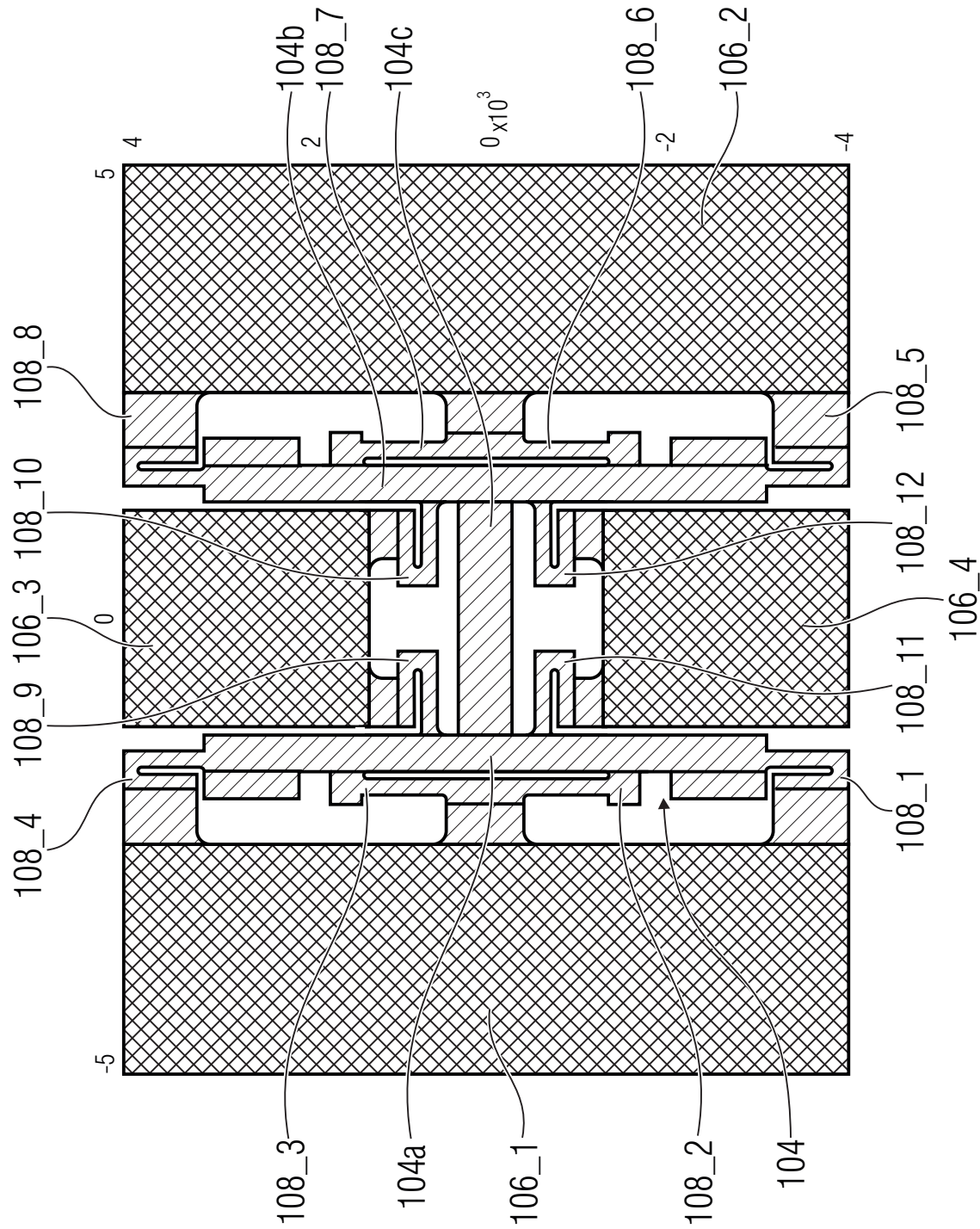


FIGURE 12A

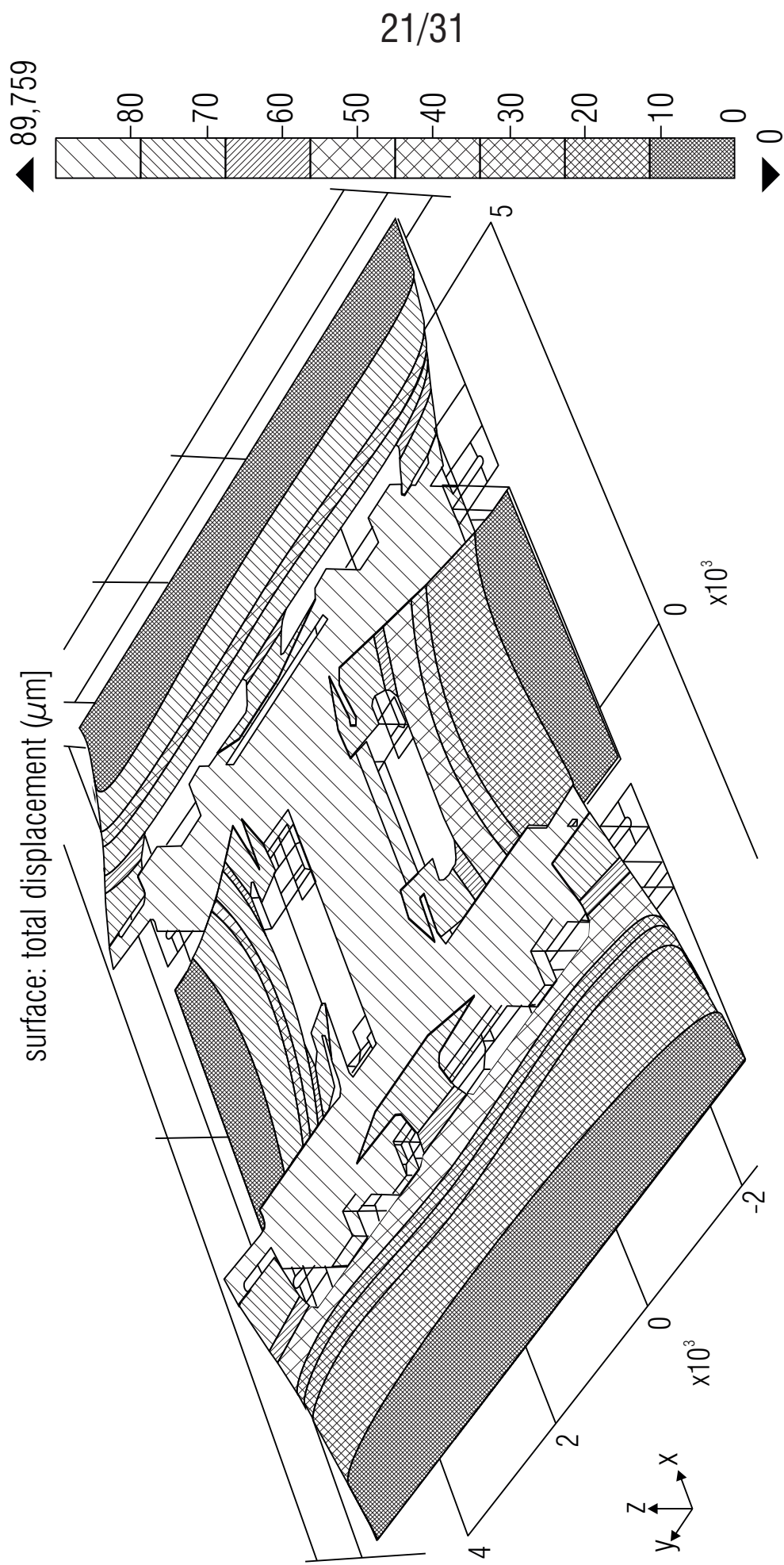


FIGURE 12B

100

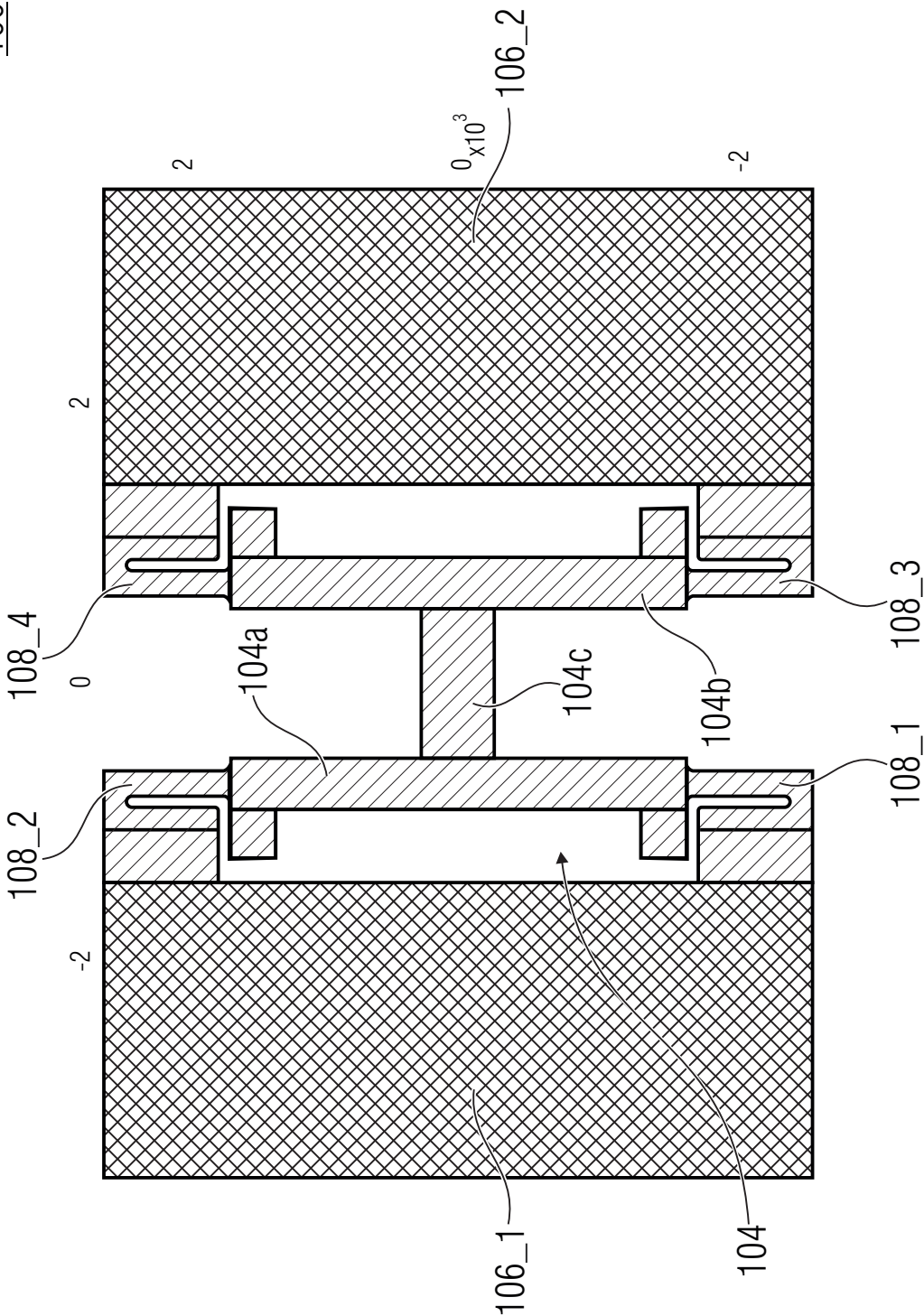


FIGURE 13A

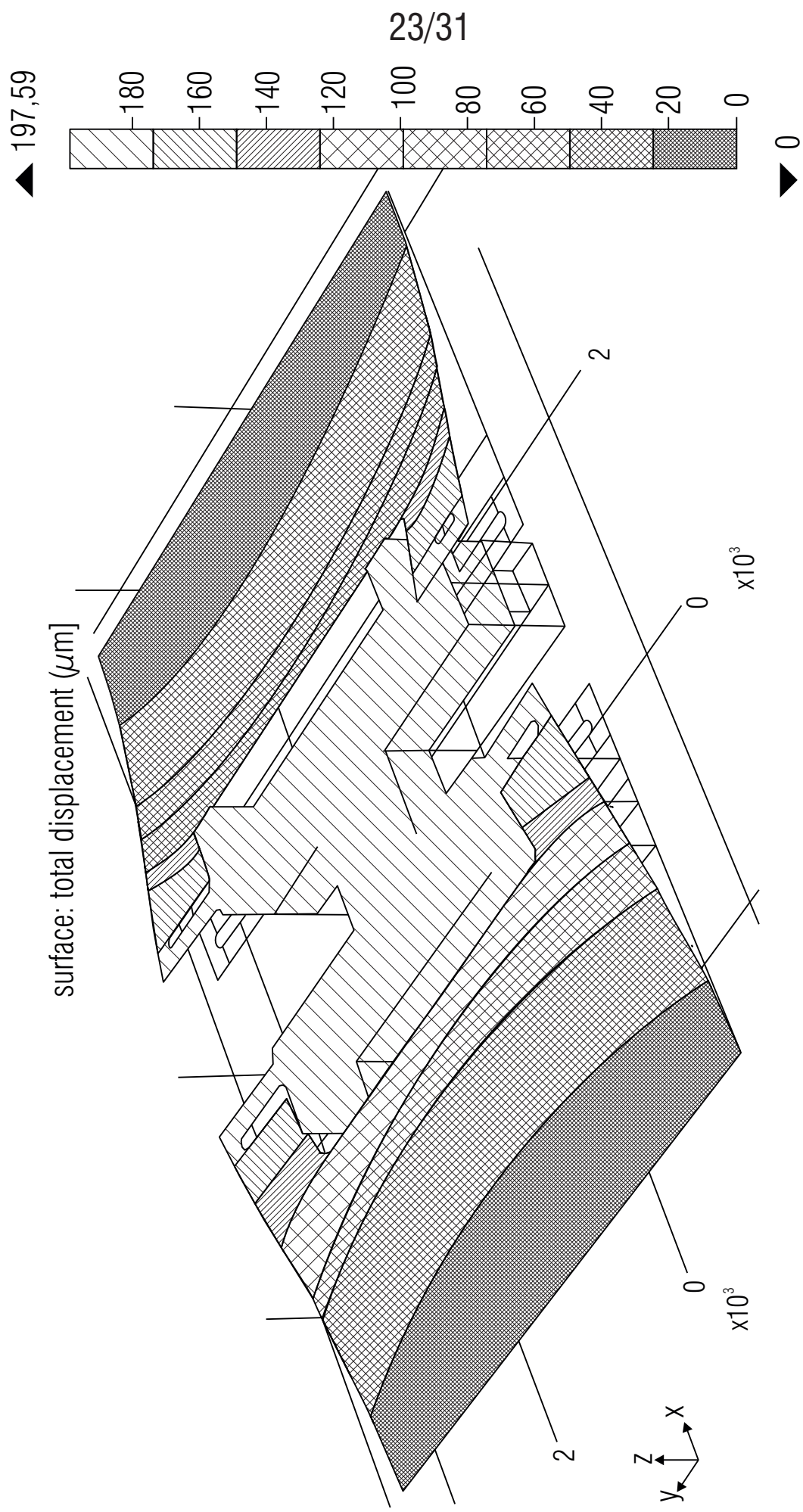


FIGURE 13B

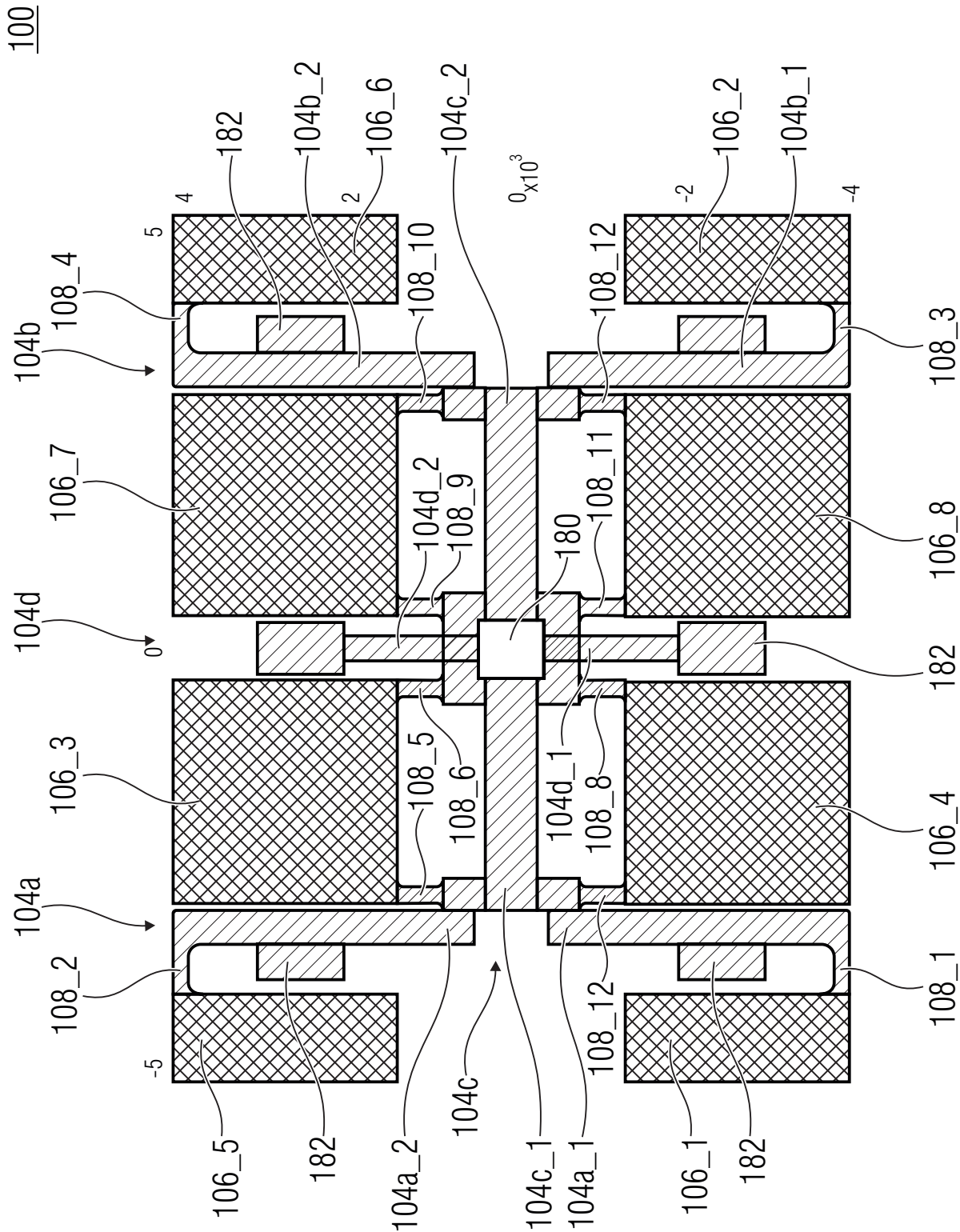


FIGURE 14A

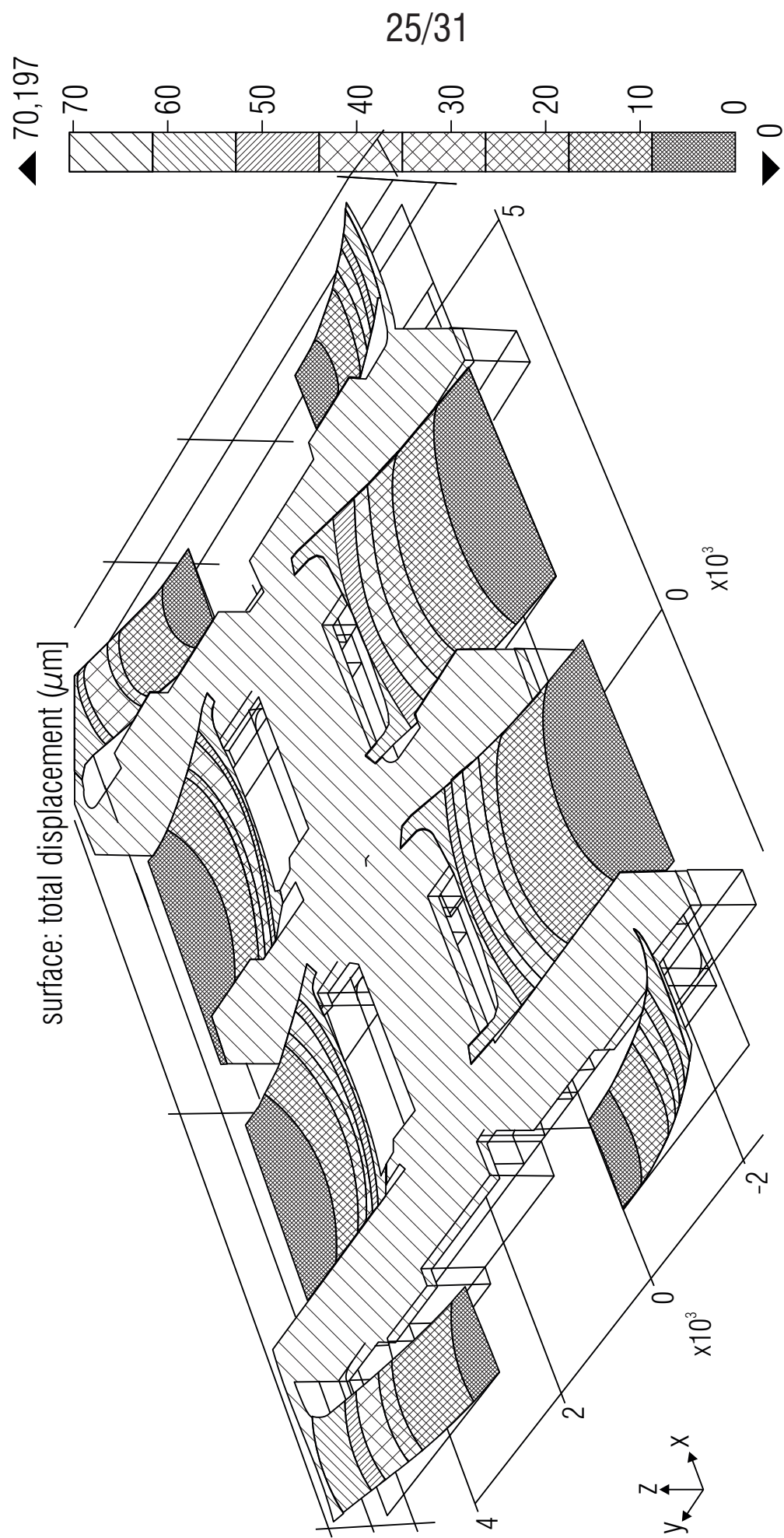


FIGURE 14B

100

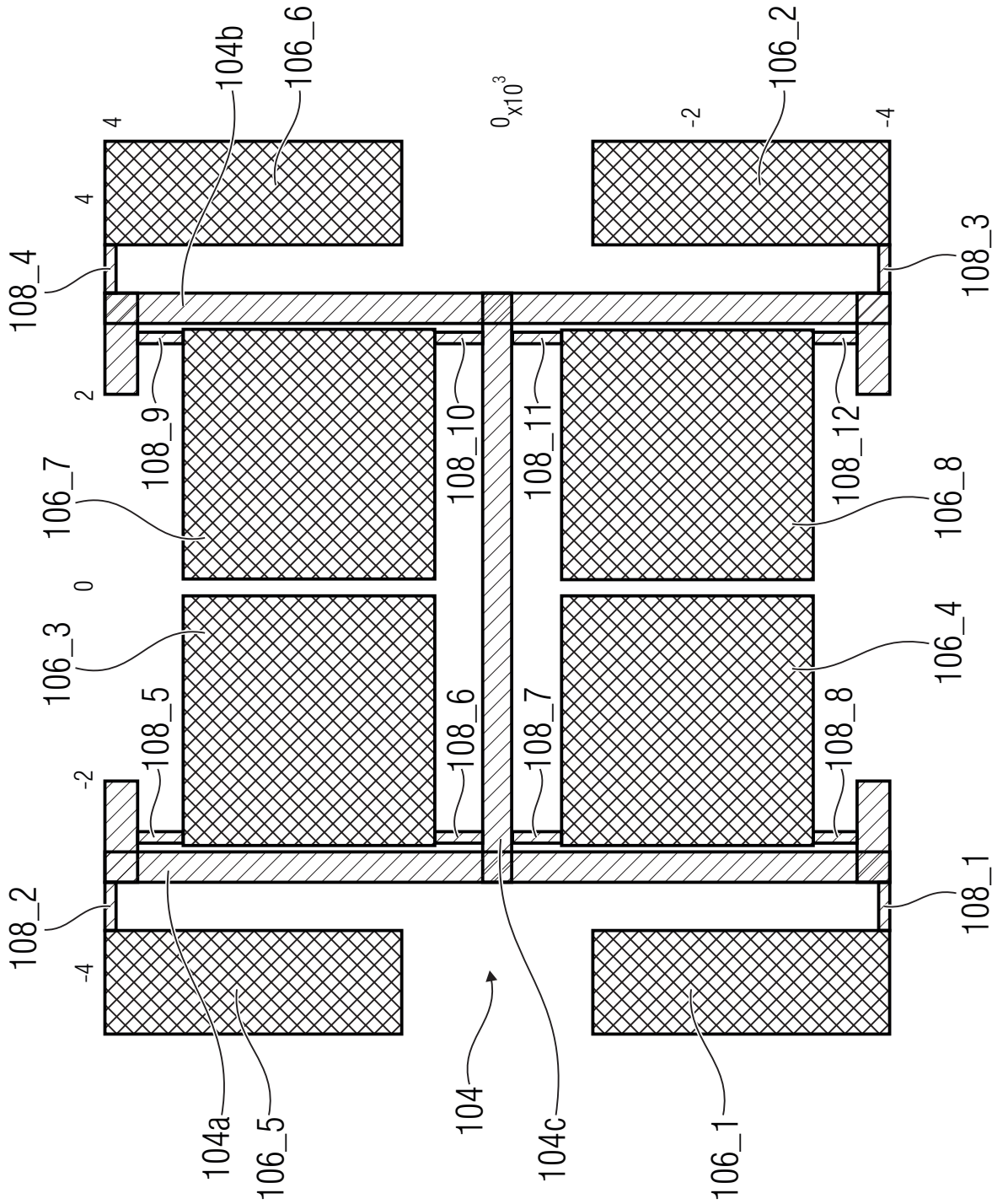


FIGURE 15A

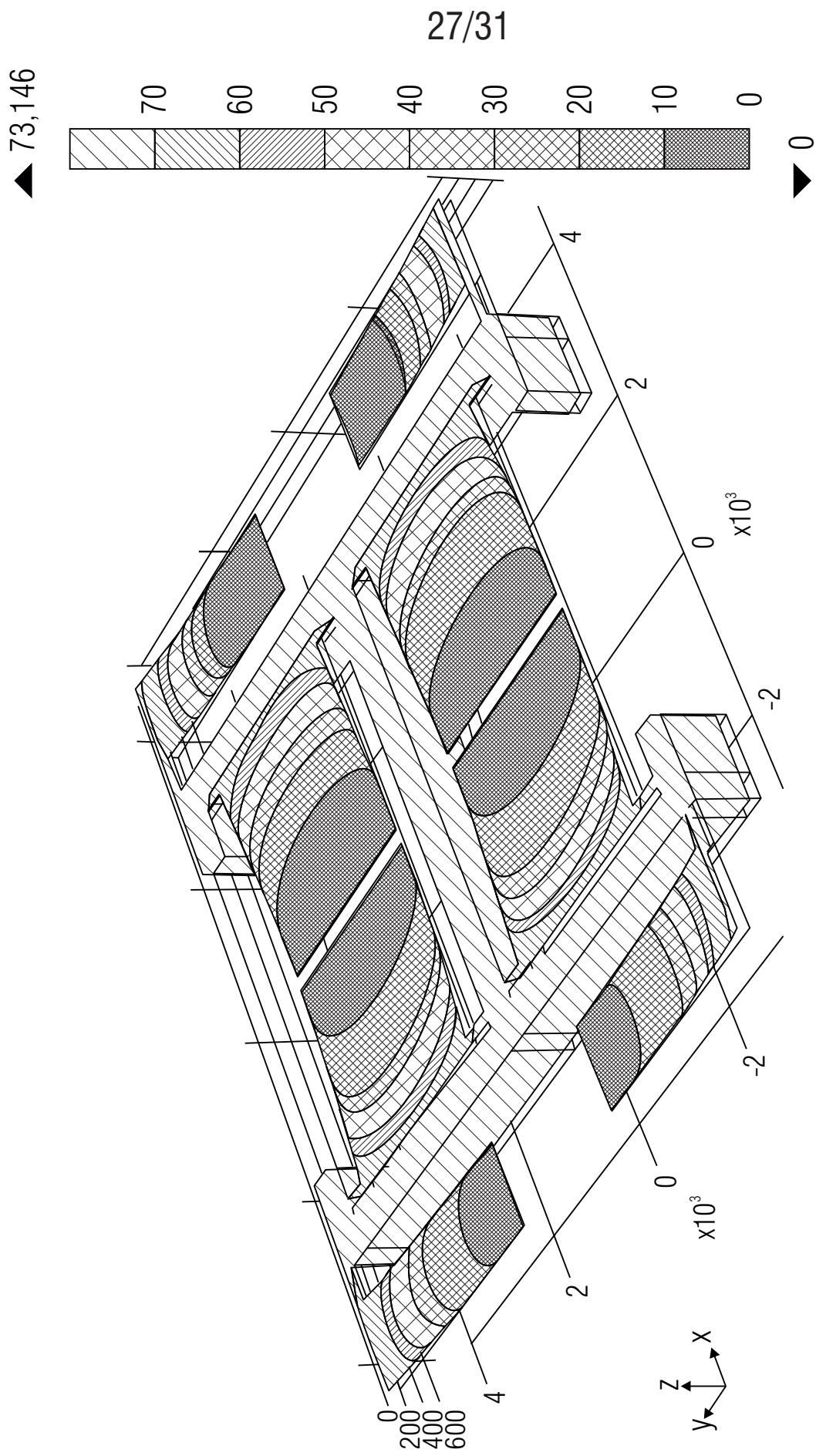


FIGURE 15B

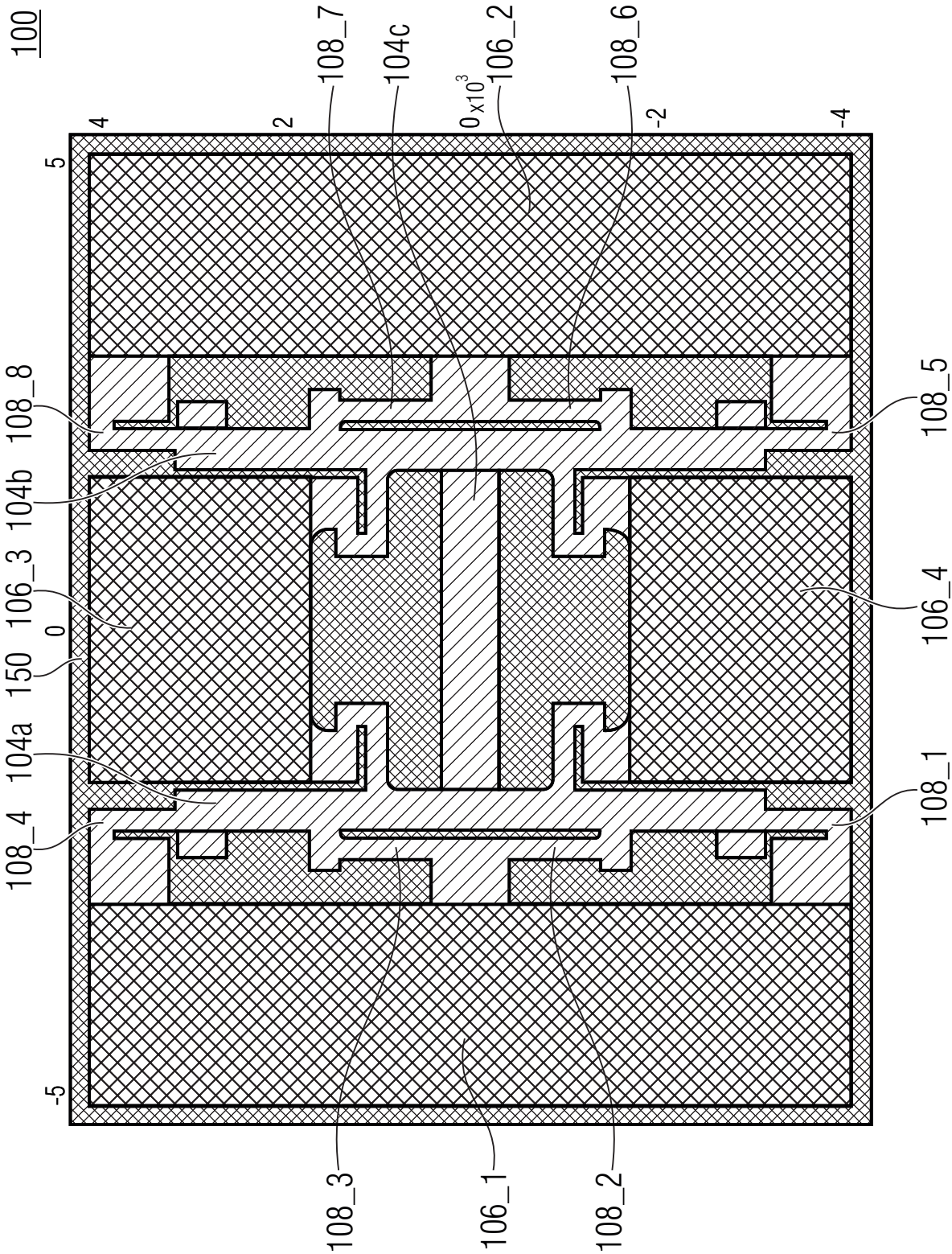


FIGURE 16A

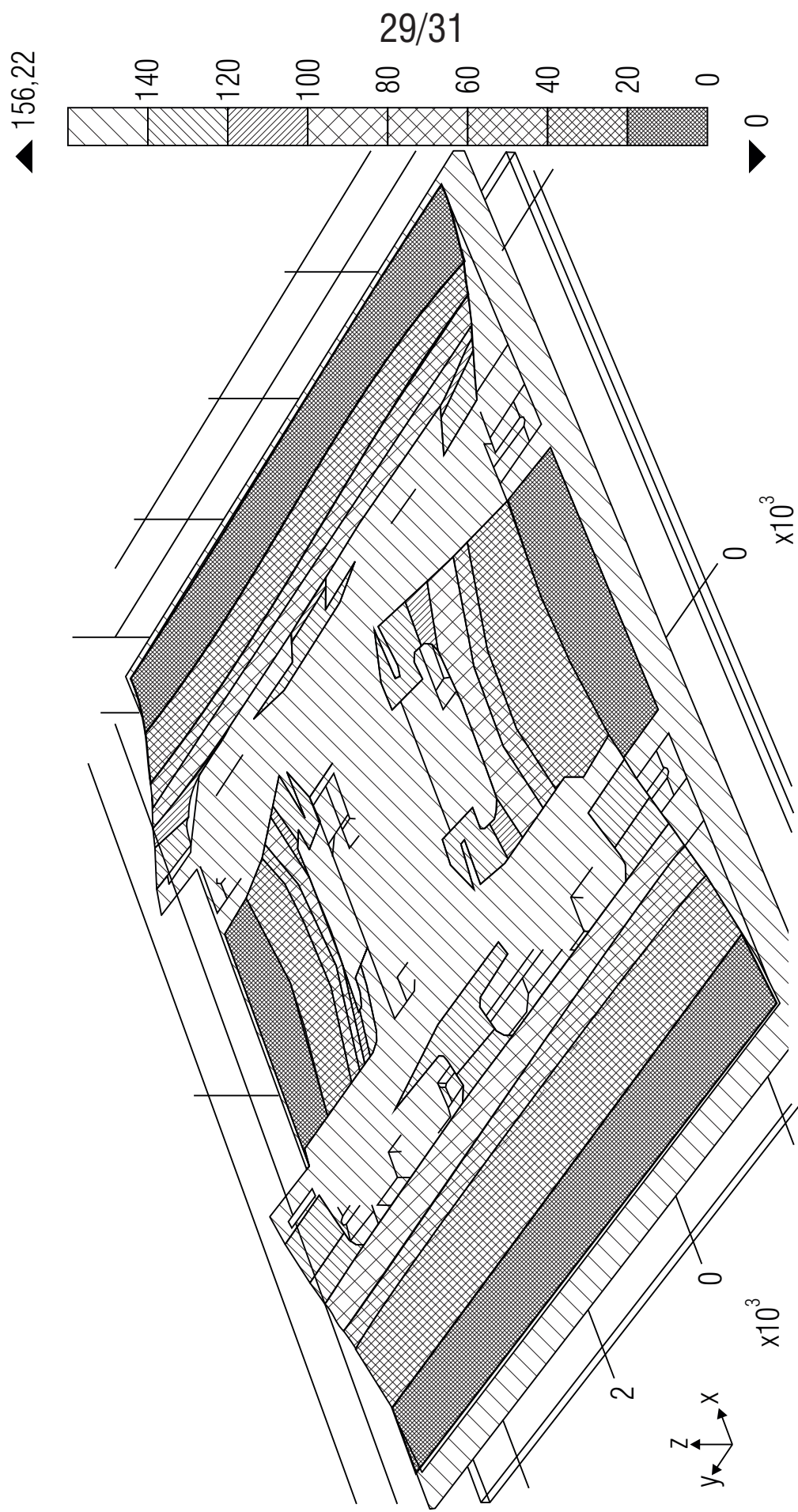


FIGURE 16B

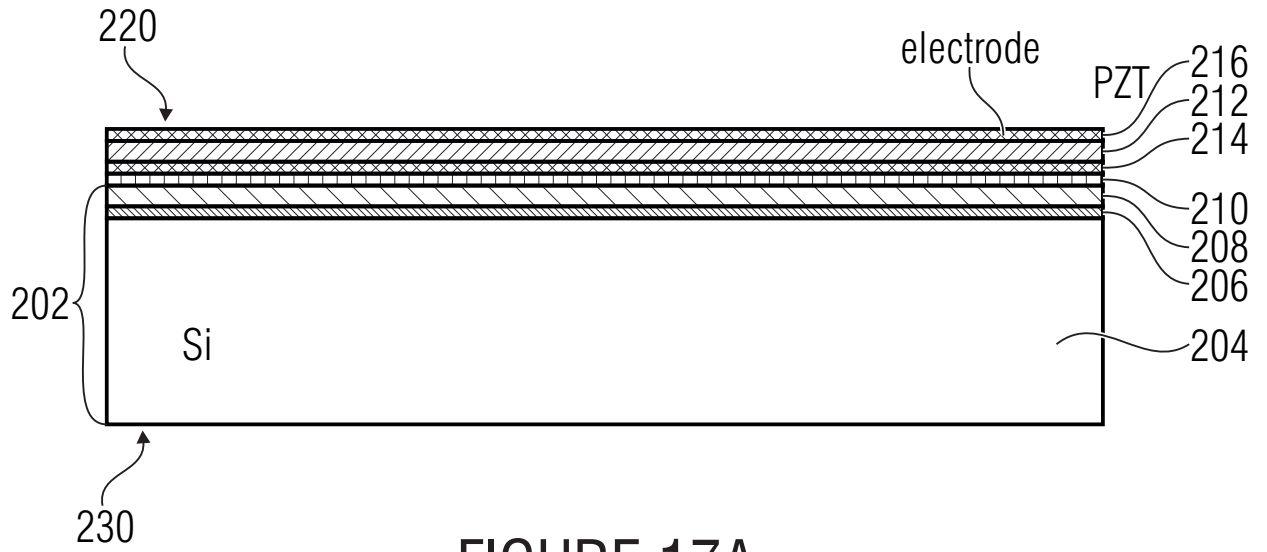


FIGURE 17A

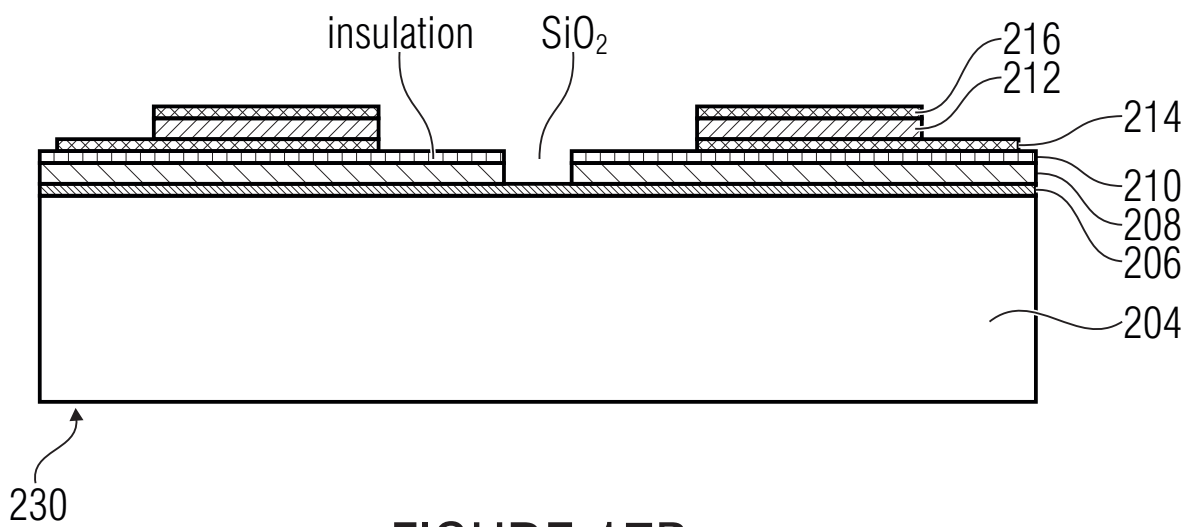


FIGURE 17B

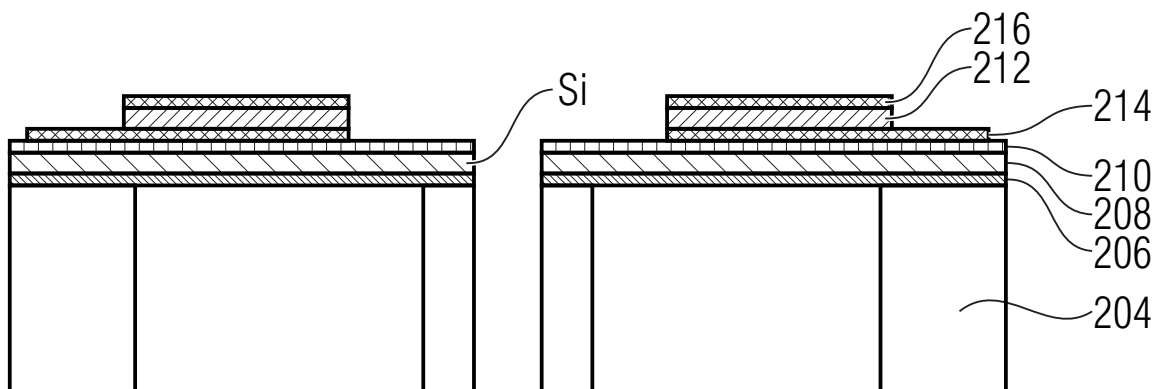


FIGURE 17C

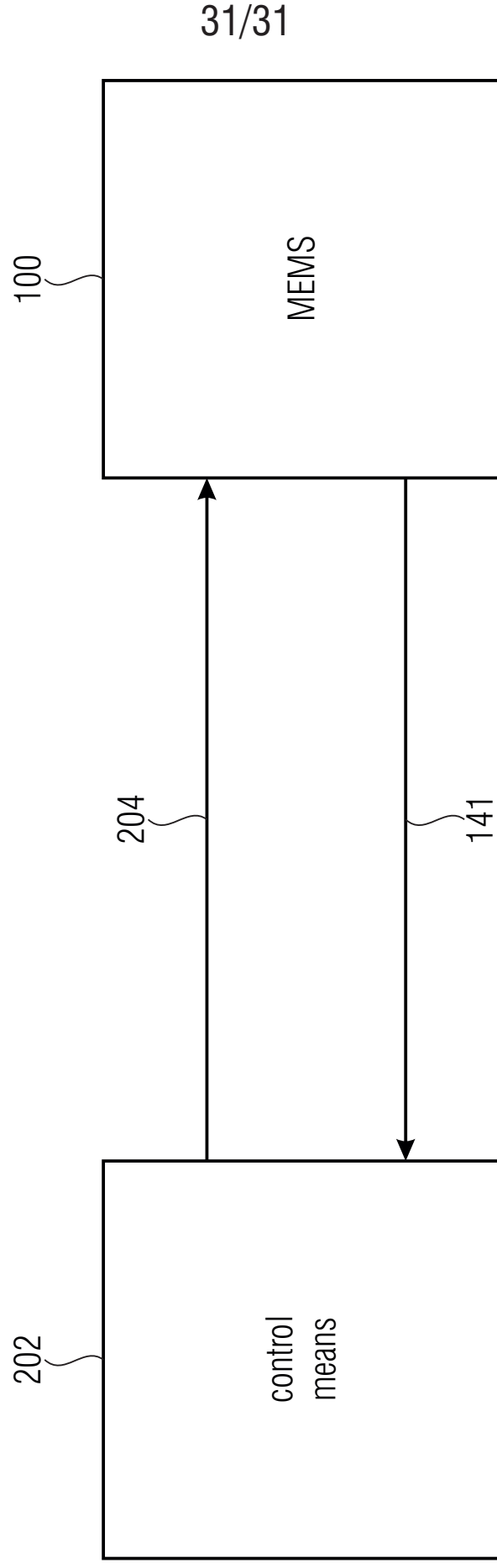


FIGURE 18