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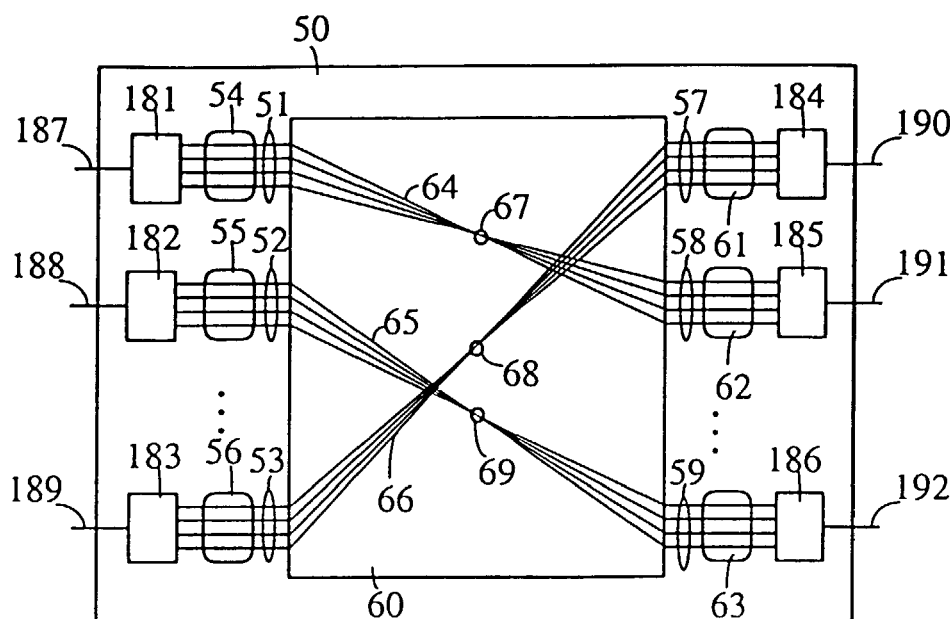
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(54) Title: FREE-SPACE NON-BLOCKING SWITCH



(57) Abstract: Optical switch (70) integrated into a substrate, comprising N input channels (74-76) with N input optical free space elements (181-183), a large optical free space element (151), N input tunable optical lenses (152-154) with adjustable projection characteristic for projecting light waves received from the input optical free space elements (181-183) into the large free space element (151). The switch further comprises M output channels (190 - 192) with M output optical free space elements (184-186), M output tunable optical lenses (155-157) with adjustable receiving characteristic for capturing the light wave from the large free space element (151) and for feeding the light wave to the M output optical free space elements (184-186).



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