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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: PROJECTION AND DISPLAY SYSTEM

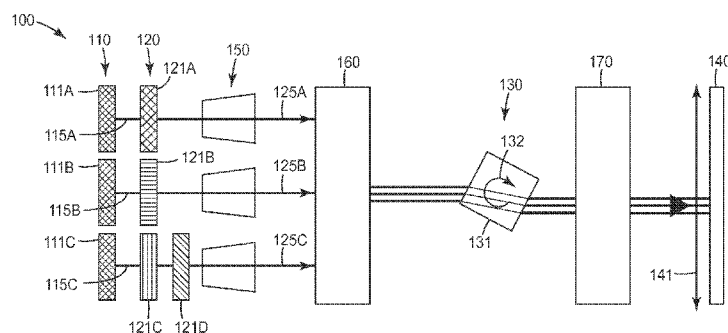


FIG. 1

(57) **Abstract:** A projection system and a display that incorporates the projection system are provided. The projection system includes at least one electroluminescent device that emits a first wavelength of light, at least one semiconductor multilayer stack that downconverts the first wavelength of light to a second wavelength of light, and a scanning optical element that transmits the light along a scanned direction. The electroluminescent device can be part of an array of electroluminescent devices, and can be monolithic. The semiconductor multilayer stack can be part of an array of semiconductor multilayer stacks, and can also be monolithic. The scanning optical element can be positioned to scan the electroluminescent device across the semiconductor multilayer stack, or it can be positioned to scan the downconverted light after it has left the semiconductor multilayer stack.

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