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(54) **Title**: THIN FILM SOLAR CELL STRUCTURE

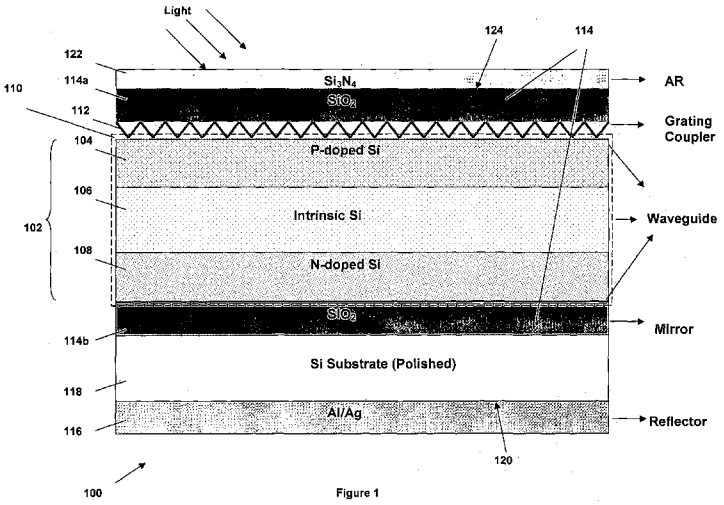


Figure 1

(57) **Abstract**: A thin film solar cell structure and method of fabricating a thin film solar cell structure. The thin film solar cell structure comprises a photoelectric conversion structure; a grating coupler for coupling incident light into the photoelectric conversion structure; and a resonator structure for providing a light trapping in the photoelectric conversion structure.