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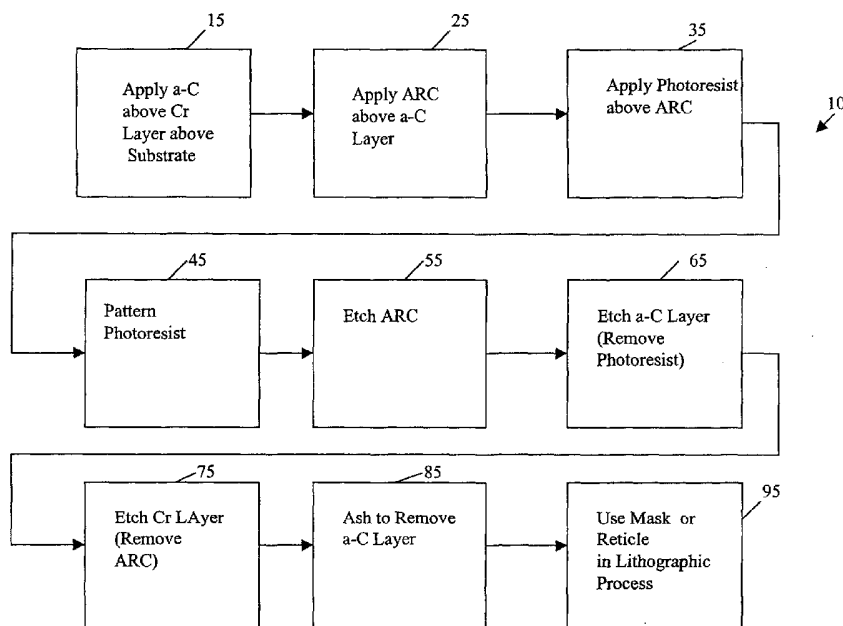
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(54) Title: METHOD OF USING AN AMORPHOUS CARBON LAYER FOR IMPROVED RETICLE FABRICATION



(57) Abstract: A method of using an amorphous carbon layer (130) for improved reticle fabrication includes depositing a stack of layers including a substrate (110), an absorber (120), a transfer layer (130), an antireflective coating (ARC) layer (140), and a photoresist layer (150), patterning (45) the photoresist layer (150), and etching (55, 65) the ARC layer (140) and the transfer layer (130). The method also includes etching (75) the absorber layer (120) and removing (85) the transfer layer (130). The transfer layer (130) including amorphous carbon.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G03F H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Patent family members are listed in annex.

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