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(54) **PHOTOCONDUCTOR CONTAINING A CHARGE TRANSPORT LAYER HAVING AN ARYLAMINE HOLE TRANSPORT MATERIAL**

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G03G 5/06	(2006.01)
G03G 5/147	(2006.01)

(52) **U.S. Cl.**

CPC ***G03G 5/0614*** (2013.01); ***G03G 5/056*** (2013.01); ***G03G 5/0564*** (2013.01); ***G03G 5/0696*** (2013.01); ***G03G 5/14721*** (2013.01); ***G03G 5/14791*** (2013.01); ***G03G 5/14795*** (2013.01)

(58) **Field of Classification Search**

CPC G03G 5/047; G03G 5/0564; G03G 5/0614

USPC 430/59.6, 58.85

See application file for complete search history.

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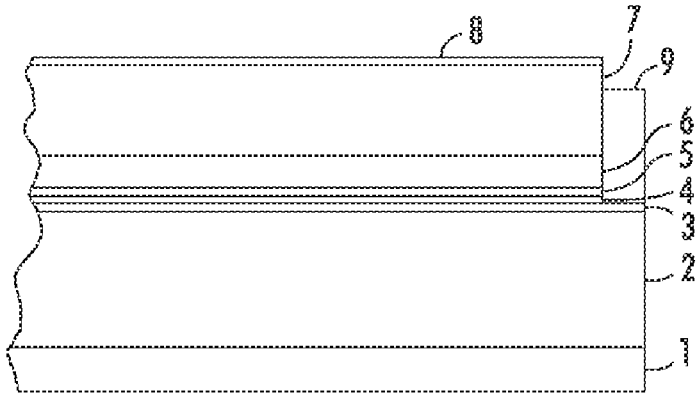
(57) **ABSTRACT**

Disclosed herein is a photoconductor including a substrate, a photogenerating layer and a charge transport layer. The charge transport layer includes a hole transport molecule of N4,N4'-bis(4-((E)-4,4-diphenylbuta-1,3-dien-1-yl)phenyl)-N4,N4'-di-p-tolyl-[1,1'-biphenyl]-4,4'-diamine and a binder. The weight percent of the charge transport layer includes N4,N4'-bis(4-((E)-4,4-diphenylbuta-1,3-dien-1-yl)phenyl)-N4,N4'-di-p-tolyl-[1,1'-biphenyl]-4,4'-diamine at from about 50 to about 70.

17 Claims, 4 Drawing Sheets