

Title (en)
COLORED OPTICAL DISCS AND METHODS FOR MAKING THE SAME

Title (de)
FARBIGE OPTISCHE PLATTEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
DISQUES OPTIQUES COLORES ET LEURS PROCEDES DE FABRICATION

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Abstract (en)
[origin: WO03052751A2] Embodiments of optical discs and methods for making the same are disclosed. In one embodiment, the optical disc comprises: at least two plastic substrates (1) comprising a bonding layer and a data layer disposed therebetween, wherein at least one of the substrates (1) is a read side substrate comprising greater than or equal to about 0.01 wt% colorant, based upon the total weight of the read side substrate, and wherein the read side substrate has a UV Bonding Index of greater than or equal to about 0.5. One method for making the optical disc comprises: forming a first plastic substrate comprising greater than or equal to about 0.01 wt% colorant, based upon the total weight of the first plastic substrate, wherein a UV Bonding Index of the first plastic substrate is controlled to be greater than or equal to about 0.5, disposing a data layer between the first plastic substrate and a second substrate, bonding the first plastic substrate to the second plastic substrate with a bonding layer, and curing the bonding layer.

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