

Title (en)  
DESIGNS OF LABELS FOR DETECTION WITH A SURFACE-SELECTIVE NONLINEAR OPTICAL TECHNIQUE

Title (de)  
DESIGNS FÜR LABELS, DIE MIT EINER OBERFLÄCHENSELEKTIVEN NICHTLINEAREN OPTISCHEN TECHNIK DETEKTIERT WERDEN

Title (fr)  
CONCEPTIONS DE MARQUEURS POUR DETECTION A L'AIDE D'UNE TECHNIQUE OPTIQUE NON LINEAIRE SELECTIVE EN SURFACE

Publication  
**EP 1364204 A1 20031126 (EN)**

Application  
**EP 01952798 A 20010717**

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Abstract (en)  
[origin: WO02061415A1] Second harmonic, sum and difference frequency generation can be used to detect a variety of processes, which are otherwise undetectable, using nonlinear-active labels. The labels must have as high a hyperpolarizability as possible. Several designs for large hyperpolarizability second-harmonic active labels are described herein. These labels can be attached to any target molecule or particle, resulting in more highly nonlinear-optically active targets.

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IPC 8 full level  
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