

Title (en)  
ALLELE SPECIFIC PRIMER EXTENSION

Title (de)  
ALLELSPEZIFISCHE PRIMERVERLÄNGERUNG

Title (fr)  
EXTENSION D'AMORCE SPECIFIQUE A L'ALLELE

Publication  
**EP 1546353 A2 20050629 (EN)**

Application  
**EP 03749279 A 20030829**

Priority  
• US 0327286 W 20030829  
• US 40689402 P 20020829

Abstract (en)  
[origin: WO2004020604A2] A method of characterizing a nucleic acid sample is provided that includes the steps of: (a) conducting a DNA polymerase reaction that includes the reaction of a template, an allele specific primer, at least one terminal phosphate-labeled nucleotide, DNA polymerase, and optionally an enzyme having 3' → 5' exonuclease activity when the primer is non-hydrolyzable, which reaction results in the production of labeled polyphosphate; (b) permitting the labeled polyphosphate to react with a phosphatase to produce a detectable species; (c) detecting the detectable species; and (d) characterizing the nucleic acid sample based on such detection.

IPC 1-7  
**C12P 19/34**

IPC 8 full level  
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**US 0327286 W 20030829**; AU 2003268322 A 20030829; CA 2496462 A 20030829; EP 03749279 A 20030829; JP 2004532003 A 20030829