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**(54) METHOD FOR DIRECT AMPLIFICATION FROM CRUDE NUCLEIC ACID SAMPLES**

VERFAHREN ZUR DIREKTEN AMPLIFIKATION AUS ROHEN NUKEINSÄUREPROBEN

PROCÉDÉ D'AMPLIFICATION DIRECTE À PARTIR D'ÉCHANTILLONS BRUTS D'ACIDES NUCLÉIQUES

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(56) References cited:

**EP-B1- 1 050 587            WO-A1-2006/090987  
WO-A2-00/50564            WO-A2-2008/002740  
US-A- 5 837 453            US-A1- 2002 012 924  
US-A1- 2005 026 147        US-A1- 2008 124 768  
US-A1- 2008 138 804        US-B1- 6 297 005**

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- **NAGAI M ET AL: "ADDITIVE EFFECTS OF BOVINE SERUM ALBUMIN, DITHIOTHREITOL, AND GLYCEROL ON PCR", BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, ACADEMIC PRESS, LONDON, GB, vol. 44, no. 1, 1 January 1998 (1998-01-01), pages 157-163, XP009023284, ISSN: 1039-9712**
- **ABU AL-SOUD WALEED ET AL: "Effects of amplification facilitators on diagnostic PCR in the presence of blood, feces, and meat", JOURNAL OF CLINICAL MICROBIOLOGY, vol. 38, no. 12, December 2001 (2001-12), pages 4463-4470, ISSN: 0095-1137**

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