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(54) **METHOD AND KIT FOR MOLECULAR CHROMOSOMAL QUANTIFICATION**

VERFAHREN UND KIT ZUR MOLEKULAREN CHROMOSOMENQUANTIFIZIERUNG

PROCEDE ET KIT POUR QUANTIFICATION MOLECULAIRE DE CHROMOSOMES

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(56) References cited:
WO-A2-02/068685 US-A1- 2003 054 386

- **HULTEN M A ET AL.: "Rapid and simple prenatal diagnosis of common chromosome disorders: advantages and disadvantages of the molecular methods FISH and QF-PCR" REPRODUCTION, vol. 126, 2003, pages 279-297, XP002559856**
- **CIRIGLIANO V ET AL.: "RAPID PRENATAL DIAGNOSIS OF COMMON CHROMOSOME ANEUPLOIDIES BY QF-PCR. ASSESSMENT ON 18000 CONSECUTIVE CLINICAL SAMPLES" MOLECULAR HUMAN REPRODUCTION, vol. 10, 2004, pages 839-846, XP002559857**
- **White H: "ChromoQuantTM (version 1) in vitro diagnostic test kit for analysis of common chromosomal disorders" National Genetics Reference Laboratory (Wessex) September 2005 (2005-09), XP002559858 Retrieved from the Internet: URL: <http://www.ngrl.co.uk/Wessex/downloads/pdf/CQ1.pdf> [retrieved on 2009-12-09]**
- **CIRIGLIANO V ET AL: "X CHROMOSOME DOSAGE BY QUANTITATIVE FLUORESCENT PCR AND RAPID PRENATAL DIAGNOSIS OF SEX CHROMOSOME ANEUPLOIDIES" MOLECULAR HUMAN REPRODUCTION, OXFORD UNIVERSITY PRESS, GB - BE, vol. 8, no. 11, 1 November 2002 (2002-11-01), pages 1042-1045, XP009019721 ISSN: 1360-9947**

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EP 2 010 676 B8

- DONAGHUE C ET AL: "DEVELOPMENT AND TARGETED APPLICATION OF A RAPID QF-PCR TEST FOR SEX CHROMOSOME IMBALANCE" **PRENATAL DIAGNOSIS**, CHICHESTER, SUSSEX, GB, vol. 23, no. 3, 3 February 2003 (2003-02-03), pages 201-210, XP009019715 ISSN: 0197-3851
- NICOLINI U ET AL.: "The introduction of QF-PCR in prenatal diagnosis of fetal aneuploidies: time for reconsideration" **HUMAN REPRODUCTION UPDATE**, vol. 10, 2004, pages 541-548, XP002559859
- CIRIGLIANO V ET AL.: "Rapid prenatal diagnosis by QF-PCR: Evaluation of 30,000 consecutive clinical samples and future applications" **ANNALS OF THE NEW YORK ACADEMY OF SCIENCES**, vol. 1075, September 2006 (2006-09), pages 288-298, XP002559860
- EYCHENE A. ET AL.: 'Chromosomal assignment of two human B-raf (Rmil) proto-oncogene loci: B-raf-1 encoding the p94(Braf/Rmil) and B-raf-2, a processed pseudogene' **ONCOGENE** vol. 7, 1992, pages 1657 - 1660, XP003015783
- LEE H.H. ET AL.: 'Rapid detection of trisomy 21 by homologous gene quantitative PCR (HGQ-PCR)' **HUM. GENET.** vol. 99, 1997, pages 364 - 367, XP003015784
- CIRIGLIANO V. ET AL.: 'Clinical application of multiplex quantitative fluorescent polymerase chain reaction (QF-PCR) for the rapid prenatal detection of common chromosome aneuploidies' **MOLECULAR HUMAN REPRODUCTION** vol. 7, no. 10, 2001, pages 1001 - 1006, XP003015785

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification