

[54] **ASSAY OF BONE MORPHOGENETIC PROTEIN (BMP) AND ANTI-BMP ANTIBODY FOR THE DIAGNOSIS OF BONE DISORDERS**

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[58] **Field of Search** ..... **530/387, 388, 356; 435/7, 810, 4; 424/9; 436/518, 501, 547, 548, 808, 810, 811, 815, 86**

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[57] **ABSTRACT**

Method for diagnosing bone disorders comprising assaying bone morphogenetic protein (BMP) or anti-bone morphogenetic protein (anti-BMP) antibody in body fluids. The diagnosis may be carried out by comparing the BMP, anti-BMP antibody or the ratio of the two to normal assay standards. A diagnostic kit for accomplishing these methods is described.

**48 Claims, 3 Drawing Sheets**