

Title (en)

BONE CEMENT MIXTURE FOR PRODUCING A MRT-SIGNALING BONE CEMENT

Title (de)

KNOCHENZEMENTMISCHUNG ZUR HERSTELLUNG EINES MRT-SIGNALGEBENDEN KNOCHENZEMENTS

Title (fr)

MÉLANGE DE CIMENT OSSEUX POUR PRÉPARATION D'UN CIMENT OSSEUX GÉNÉRANT UN SIGNAL DE TOMOGRAPHIE PAR RÉSONANCE MAGNÉTIQUE (TRM)

Publication

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Application

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Abstract (en)

[origin: WO2009100951A2] The invention relates to a bone cement mixture for producing an MRT-signaling bone cement and an MRT-signaling bone cement which is obtained from the mixture. The bone cement mixture according to the invention contains: (a) at least one type of organic monomer which can be polymerized and optionally at least one polymer component which is already polymerized, (b) at least one MRT-signaling component having a magnetic susceptibility and a concentration in the cement mixture which are capable of generating a visible signal in at least one selected MRT sequence, and (c) at least 1 wt.-% water relative to the total mass of the bone cement mixture. The bone cement mixture according to the invention is characterized by good signals in the MRT in at least one measuring sequence, in particular in the T1 sequence.

IPC 8 full level

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Citation (search report)

See references of WO 2009100951A2

Citation (examination)

- US 2002120033 A1 20020829 - JIA WEITAO [US], et al
- US 2007048382 A1 20070301 - MEYER JORG [DE], et al

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