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(54) Title: MAGNET CORE AND METHOD FOR ITS PRODUCTION

(57) **Abstract:** Magnet cores pressed using a powder of nanocrystalline or amorphous particles and a pressing additive should be characterised by minimal iron losses. These particles have first surfaces represented by the original strip surfaces and second surfaces represented by surfaces produced in pulverisation process, the overwhelming majority of these second particle surfaces being smooth cut or fracture surfaces without any plastic deformation, the proportion T of areas of plastic deformation of the second particle surfaces being $0 \leq T \leq 0.5$.



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