

Title (en)

SELF-COMPRESSIVE OSTEOSYNTHESIS SCREW FOR SMALL BONE SURGERY

Title (de)

AUTOKOMPRESSIVE OSTEOSYNTHESESCHRAUBE ZUR CHIRURGIE VON KLEINEN KNOCHEN

Title (fr)

VIS D'OSTEOSYNTHESE AUTOCOMPRESSIVE POUR LA CHIRURGIE DE PETITS OS

Publication

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Application

**EP 99964745 A 19991230**

Priority

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Abstract (en)

[origin: FR2787989A1] The invention concerns a self-compressive and atraumatic osteosynthesis screw (1), comprising a threaded proximal head (2), a body (4) forming a threaded distal portion (5) and, between the head and the distal part, a smooth section (6) of short length relatively to the distal portion length, the threading (7) thereof having a greater pitch than that of the proximal head threading (3), and a longitudinal channel (8) provided from one end to the other of said screw to receive a guide pin; said screw comprises means enabling it to fix small bones or small bone fragments of the skeleton after an osteotomy or a fracture, and in particular one of the five metatarsals (13, 14) of a human foot, said means comprising a threading diameter (d1) of the distal portion (5) slightly greater than the diameter (d2) of the thread root (3) of the proximal head (2) and the diameter of the channel (8) ranges between about 0.8 and 1.0 mm. Said screw miniaturised compared to the BAROUK screws of prior art advantageously replaces them as well as the cleavable screws with self-rupturing end piece for all the small bones, and bone fragments, in particular the five metatarsal bones.

IPC 1-7

**A61B 17/86**

IPC 8 full level

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