

Title (en)  
VERTEBRAL FUSION SYSTEM WITH EXPANDABLE ANCHOR

Title (de)  
WIRBELFUSIONSSYSTEM MIT SPREIZANKER

Title (fr)  
SYSTEME DE FUSION VERTEBRALE AVEC ANCRAGE EXTENSIBLE

Publication  
**EP 0746256 A1 19961211 (EN)**

Application  
**EP 95921382 A 19950524**

Priority

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Abstract (en)  
[origin: WO9531941A1] A vertebral fusion system including a rigid plate (4, 52) defining first and second orifices (16, 94, 96) alignable with first and second vertebrae (5), and further including at least two anchor assemblies (2, 54). Each assembly includes an outer anchor member (6, 56) and an inner cam member (7, 58), the outer anchor member (6, 56) being insertable in a contracted condition through one of the first and second orifices (16, 94, 96) and into one of the first and second holes in the vertebrae (5). The outer member (6, 56) defines an internal bore (30, 116) for receiving the inner cam member (7, 58) therein, and includes a plurality of outwardly expandable legs. Portions of the internal bore (30, 116) and of the inner cam member (7, 58) define matching detent and recess regions (8, 120) to enable the inner cam member (7, 58) to be successively interlocked at positions of increasing depth within the outer anchor member (6, 56) as the inner member (7, 58) is driven into the outer member (6, 56). As the inner cam member (7, 58) is driven into the outer anchor member (6, 56), the legs are driven outwardly into an expanded condition to secure the plate (4, 52) and the anchor assemblies (2, 54) together and thereby immobilize the first and second vertebrae (5). Preferably, the system includes a washer (60) which positively locks each anchor assembly (54) with the plate (52).

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