

Title (en)
IMPROVED DENTAL CROWN

Title (de)
VERBESSERTE DENTALE KRONE

Title (fr)
COURONNE DENTAIRE AMELIOREE

Publication
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Application
EP 00943474 A 20000717

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Abstract (en)
[origin: WO0110332A1] A dental crown (10) is disclosed which comprises a titanium metal core (12) which is suitable for fixing over a tooth stud (not shown) and a layer of mesh (14) which is fixed to the core (12) by welding or similar means. An outer layer of fused porcelain (16) forms an outer body functional as a tooth and is mechanically bonded to the mesh (14). The mechanical bonding provides a very strong bond between the porcelain (16) and the mesh (14) which allows the porcelain (16) to expand and contract relative to the metal core (12) enabling the porcelain outer body (16) to be made of uneven thickness without causing cracking of the porcelain. The specification also discloses a method of mounting the crown to a tooth stud using a compressible gold layer interposed between the crown and the tooth stud to improve the margin fit of the crown.

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