~~characterised in that~~ the profiling of the key channel ~~has~~ two ribs which diverge in a V-shaped manner and which extend from a common root at a key channel flank and each ~~have~~ acute external angles with respect to the key channel flank ~~which~~ complement the two overlapping grooves (2, 2, 2', 3') of the flat key (1, 1').

7. Locking cylinder according to claim 6, characterised in that there is provided in at least one cylinder core a scanning element (11) which scans the edge (5) which is produced by the intersection of the two grooves (2, 3, 2', 3') of the flat key (1, 1') and which may also be constructed as a flattened portion (5') and, when the edge (5) or flattened portion (5') is excessively low, blocks the locking cylinder.

8. Locking cylinder according to claim 6 or claim 7, characterised in that that there is provided in at least one cylinder core a scanning element (12) which scans for the presence of the undercut portion (8) of a groove (2) and, when the undercut portion (8) is missing, blocks the locking cylinder.

the profiling of the key channel having two ribs which diverge in a V-shaped manner and which extend from a common root at a key channel flank and each having acute external angles with respect to the key channel flank, characterised in that the ribs complement the two overlapping grooves (2, 2, 2', 3') of the flat key (1, 1').

7. Locking cylinder according to claim 6, characterised in that there is provided in at least one cylinder core a scanning element (11) which scans the edge (5) which is produced by the intersection of the two grooves (2, 3, 2', 3') of the flat key (1, 1') and which may also be constructed as a flattened portion (5') and, when the edge (5) or flattened portion (5') is excessively low, blocks the locking cylinder.

8. Locking cylinder according to claim 6 or claim 7, characterised in that that there is provided in at least one cylinder core a scanning element (12) which scans for the presence of the undercut portion (8) of a groove (2) and, when the undercut portion (8) is missing, blocks the locking cylinder.