

Title (en)
Gun barrel

Title (de)
Waffenrohr

Title (fr)
Tube de canon

Publication
EP 0890814 B1 20030212 (DE)

Application
EP 98109071 A 19980519

Priority
DE 19729294 A 19970709

Abstract (en)
[origin: EP0890814A2] A gunbarrel is drawn, with rifling lands and grooves all the way round the periphery. The amount of missile guide-band material (9) displaced remains the same when the number of grooves (3) is increased, while the groove depth (6) and the twist angle (d) remain constant. To reduce the rate of band wear when the number of grooves is increased, the groove flanks (5) can be at right angles to the bottom (7). The flank angle(a) can be less than 9.5 degrees with a non-chromium-plated bore, and 0 degrees when this is partly or wholly chromium-plated. The radius (rZ) between the groove bottom and flank can be less than 0.5mm, and that between the flank and the land surface (rF) less than 0.3mm.

IPC 1-7
F41A 21/18

IPC 8 full level
F41A 21/18 (2006.01)

CPC (source: EP US)
F41A 21/18 (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
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