

Title (en)

CANON FOR OBTAINING A COHERENT WATER JET

Publication

EP 0198728 B1 19891102 (FR)

Application

EP 86400421 A 19860227

Priority

FR 8503206 A 19850305

Abstract (en)

[origin: EP0198728A1] 1. Cannon for obtaining a coherent liquid jet at high speed comprising a metal enclosure (1) of general elongated cylindrical shape, having formed in it an axial channel (2), closed at one end by an end-piece (3) adjacent to a chamber (8) filled with a reserve of explosive powder, the said axial channel (2) being closed at its other end by a cap (7) which can be broken, and containing the liquid to be projected, characterized in that the enclosure (1) is provided, at its end opposite to that of the end-piece, with a nozzle (4) having formed in it a converging axial channel (6) separated from the channel (2) by the cap (7) and empty of liquid at rest and in that the axial channel (2) filled with water at rest encloses a piston (9) adjacent to the chamber (8) and movable inside this channel under the action of the explosion of the explosive charge, the lengths of the water column contained at rest inside the axial channel (2) and of the converging axial channel (6) empty at rest being substantially equal.

IPC 1-7

B26F 1/26; **B26F 3/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

GB2317677A; FR2726355A1; CN110701952A; US9976838B1; FR2661490A1; EP0539639A1; GB2227082A; FR2642157A1; GB2227082B; US5259318A; US10488147B2; WO9815321A1; WO9514207A1; WO9205396A1

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