

Title (en)  
Missile launcher.

Title (de)  
Abschussvorrichtung für Raketen.

Title (fr)  
Lanceur de roquettes.

Publication  
**EP 0222569 A1 19870520 (EN)**

Application  
**EP 86308527 A 19861031**

Priority  
GB 8526852 A 19851031

Abstract (en)  
Missile launcher comprising an outer tubular support structure (1) and an inner launch tube (3) mounted by means of bearings (4,5) within the outer structure (3). The inner tube (3) supports at its aft end a multi-bladed impeller (11). The missile boost motor is ignited and the propellant gases pass through the impeller (11) and cause the inner launch tube (3) to rotate on its bearings (4,5). This rotation gives spin to the missile.

IPC 1-7  
**F41F 3/048; F41F 3/052**

IPC 8 full level  
**F41F 3/048** (2006.01)

CPC (source: EP)  
**F41F 3/048** (2013.01)

Citation (search report)  

- [X] US 3427921 A 19690218 - BODE HELMUT, et al
- [X] US 3009393 A 19611121 - LYNCH ROBERT A
- [X] FR 1011653 A 19520625 - S E R A M
- [Y] US 4416183 A 19831122 - ADAMS ROBERT W [US], et al
- [Y] US 3530759 A 19700929 - FRANCIS GUS

Cited by  
US8831787B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0222569 A1 19870520**

DOCDB simple family (application)  
**EP 86308527 A 19861031**