

Title (en)  
Push-in oil cooling nozzle

Title (de)  
Aufsteckbare K hlungs ld se

Title (fr)  
Gicleur de refroidissement   emmanchement

Publication  
**EP 0785344 A1 19970723 (FR)**

Application  
**EP 97420004 A 19970108**

Priority  
FR 9600698 A 19960118

Abstract (en)  
The cooling jet consists of a body (7) with an axial channel (8) and a transverse aperture (9) to which its outlet duct (10) is connected. The body is designed to be fixed into the engine cylinder wall so that its axial channel links with a coolant fluid feed port (15). The body of the jet comprises a cylindrical bush (14) which lies coaxially with the axial channel (8) and has an outer diameter designed to give a force fit in the fluid feed port (15). Its outer surface can be milled or smooth. The injection duct (10) has two opposite lateral faces which are able to co-operate with positioning stops during manufacture and assembly.

Abstract (fr)  
Le gicleur selon l'invention comprend un corps de gicleur (7) perc  d'un canal axial (8) et d'un per age transversal (9) auquel se raccorde un conduit d'injection de sortie de fluide de refroidissement (10) . Le corps de gicleur (7) comprend en outre un manchon (14) cylindrique de r volution, coaxial avec le canal axial (8), dont le diam tre ext rieur est adapt  pour son introduction en force dans l'orifice d'amen e de fluide (15) du carter de cylindre (2), lui-m me  galement cylindrique de r volution. La surface externe du manchon (14) comprend une portion lisse ou molet e (16). Le gicleur est simplement emmanch  en force dans l'orifice d'amen e de fluide de refroidissement (15). <IMAGE>

IPC 1-7  
**F01P 3/08**

IPC 8 full level  
**F01P 3/08** (2006.01)

CPC (source: EP)  
**F01P 3/08** (2013.01)

Citation (applicant)  
• US 2991769 A 19610711 - CHAPIN EDWARD A  
• FR 2259981 A1 19750829 - PERKINS ENGINES LTD [GB]  
• DE 3416076 A1 19850110 - TATRA NP [CS]

Citation (search report)  
• [A] US 2991769 A 19610711 - CHAPIN EDWARD A  
• [A] FR 2259981 A1 19750829 - PERKINS ENGINES LTD [GB]  
• [A] DE 2532132 A1 19770203 - KLOECKNER HUMBOLDT DEUTZ AG

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