

Title (en)

DEVICE FOR COUPLING A BLOW LANCE WITH A HEADER

Title (de)

VORRICHTUNG ZUM ANKUPPELN EINER BLASLANZE AN EINEN VERTEILER

Title (fr)

DISPOSITIF D'ACCOUPLEMENT D'UNE LANCE DE SOUFFLAGE A UN COLLECTEUR

Publication

EP 0922117 A1 19990616 (FR)

Application

EP 97930463 A 19970701

Priority

- EP 9703423 W 19970701
- LU 88808 A 19960828

Abstract (en)

[origin: WO9808983A1] A device for coupling a blow lance with a header is disclosed, in which the force required for producing a sealing joint between the header (2) and the lance (4) is exerted by a cooling fluid and/or a blowing fluid. In a preferred embodiment, said cooling fluid and/or blowing fluid acts via a pressure surface (32) on the joint between the header (2) and the lance (4), the pressure surface being integral with a piston (22) which transmits the pressure to said joint. The lance has preferably a first coupling surface (12), while the header (2) has a second coupling surface (14), and one of said coupling surfaces (12 or 14) is integral with said piston (22).

IPC 1-7

C21C 5/46

IPC 8 full level

C21C 5/46 (2006.01); **C21C 5/48** (2006.01)

CPC (source: EP US)

C21C 5/462 (2013.01 - EP US)

Citation (search report)

See references of WO 9808983A1

Designated contracting state (EPC)

AT BE DE ES FI FR GB IT NL PT SE

DOCDB simple family (publication)

WO 9808983 A1 19980305; AT E192781 T1 20000515; AU 3440897 A 19980319; AU 714387 B2 19991223; BR 9711249 A 19990817; CN 1076399 C 20011219; CN 1228816 A 19990915; CZ 65699 A3 19991013; DE 69701992 D1 20000615; DE 69701992 T2 20001005; EP 0922117 A1 19990616; EP 0922117 B1 20000510; ES 2146105 T3 20000716; JP 2000516998 A 20001219; LU 88808 A1 19980302; PL 184089 B1 20020830; PL 331943 A1 19990816; PT 922117 E 20001031; RU 2199592 C2 20030227; US 6086818 A 20000711

DOCDB simple family (application)

EP 9703423 W 19970701; AT 97930463 T 19970701; AU 3440897 A 19970701; BR 9711249 A 19970701; CN 97197510 A 19970701; CZ 65699 A 19970701; DE 69701992 T 19970701; EP 97930463 A 19970701; ES 97930463 T 19970701; JP 51120298 A 19970701; LU 88808 A 19960828; PL 33194397 A 19970701; PT 97930463 T 19970701; RU 99106237 A 19970701; US 25584099 A 19990223