

Title (en)

ASSEMBLY FOR SUPPLYING COMMERCIAL GAS TO A PORTABLE USER APPARATUS

Title (de)

VERSORGUNGSEINHEIT FÜR INDUSTRIEGAZ IN EINEM TRAGBAREN GERÄT

Title (fr)

ENSEMBLE D'ALIMENTATION EN GAZ INDUSTRIEL D'UN APPAREIL UTILISATEUR PORTABLE

Publication

EP 0589015 B1 19960612 (FR)

Application

EP 93907905 A 19930329

Priority

- FR 9300313 W 19930329
- FR 9203898 A 19920331

Abstract (en)

[origin: US5472024A] PCT No. PCT/FR93/03313 Sec. 371 Date Nov. 16, 1993 Sec. 102(e) Date Nov. 16, 1993 PCT Filed Mar. 29, 1993 PCT Pub. No. WO93/20383 PCT Pub. Date Oct. 14, 1993. An assembly comprising an intermediate volume of medium-pressure gas (8) in a transportable housing (3) which is advantageously combined with a user apparatus (4) and selectively connectable to a high-pressure gas supply (1) by coupling it to a filling unit (2) via a quick connection system (15, 16). The assembly is particularly useful in portable welding apparatuses.

IPC 1-7

F17C 13/08; F17C 5/06; F17C 7/00

IPC 8 full level

F17C 5/06 (2006.01); **F17C 7/00** (2006.01); **F17C 13/08** (2006.01)

CPC (source: EP US)

F17C 5/06 (2013.01 - EP US); **F17C 7/00** (2013.01 - EP US); **F17C 13/084** (2013.01 - EP US); **F17C 2201/0109** (2013.01 - EP US);
F17C 2201/0119 (2013.01 - EP US); **F17C 2201/035** (2013.01 - EP US); **F17C 2201/058** (2013.01 - EP US); **F17C 2203/0639** (2013.01 - EP US);
F17C 2203/0663 (2013.01 - EP US); **F17C 2205/0111** (2013.01 - EP US); **F17C 2205/0165** (2013.01 - EP US);
F17C 2205/0332 (2013.01 - EP US); **F17C 2205/037** (2013.01 - EP US); **F17C 2209/221** (2013.01 - EP US); **F17C 2221/011** (2013.01 - EP US);
F17C 2221/016 (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2250/043** (2013.01 - EP US);
F17C 2250/0636 (2013.01 - EP US); **F17C 2270/025** (2013.01 - EP US); **F17C 2270/0545** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)

US 5472024 A 19951205; AR 248308 A1 19950712; AT E139320 T1 19960615; AU 3893093 A 19931108; AU 657410 B2 19950309;
BR 9305456 A 19940927; CA 2110274 A1 19931014; CA 2110274 C 20040601; CN 1036486 C 19971119; CN 1079928 A 19931229;
DE 69303135 D1 19960718; DE 69303135 T2 19961010; DK 0589015 T3 19960701; EP 0589015 A1 19940330; EP 0589015 B1 19960612;
ES 2089812 T3 19961001; FI 935294 A0 19931129; FI 935294 A 19940124; FR 2689209 A1 19931001; FR 2689209 B1 19970110;
GR 3020630 T3 19961031; JP 3806440 B2 20060809; JP H06508198 A 19940914; WO 9320383 A1 19931014; ZA 932325 B 19931220

DOCDB simple family (application)

US 14618693 A 19931116; AR 32462193 A 19930330; AT 93907905 T 19930329; AU 3893093 A 19930329; BR 9305456 A 19930329;
CA 2110274 A 19930329; CN 93104537 A 19930331; DE 69303135 T 19930329; DK 93907905 T 19930329; EP 93907905 A 19930329;
ES 93907905 T 19930329; FI 935294 A 19931129; FR 9203898 A 19920331; FR 9300313 W 19930329; GR 960401986 T 19960725;
JP 51715793 A 19930329; ZA 932325 A 19930331