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(71) Déposant (pour tous les États désignés sauf US) :
SULLAIR EUROPE [FR/FR]; ZAC Les Granges,
F-42600 Montbrison (FR).

(72) Inventeurs; et

(75) Inventeurs/Déposants (pour US seulement) : MUCIG,
Alain [FR/FR]; 20, la Source, F-69630 Chaponost (FR).
CHARLAT, Patrice [FR/FR]; Le Poyet, F-42111 Saint
Didier sur Rocheffort (FR). LIOTIER, Julien [FR/FR]; 8
place Bouvier, F-42600 Montbrison (FR).

(74) Mandataires : ROGER, Walter et al.; Cabinet Jolly, 54,
rue de Clichy, F-75009 Paris (FR).

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(54) Titre : DISPOSITIF PIQUEUR A AIR COMPRIME A COMMANDE VARIABLE

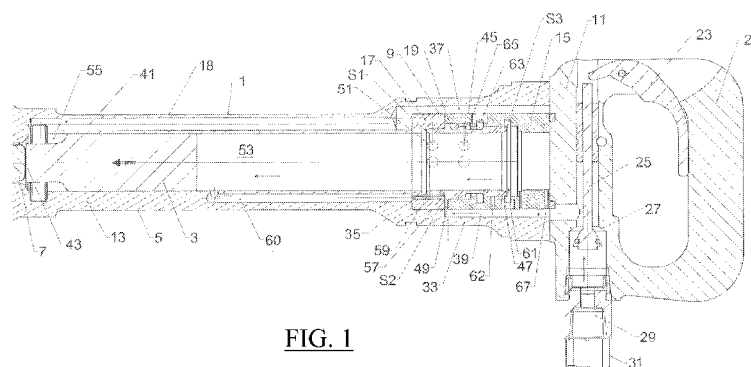


FIG. 1

(57) Abstract : The invention relates to a pressurised air pick device (1) with variable control that comprises a cylinder and piston assembly (5) for actuating a picking member (7), and a distribution portion (9) with variable control (23, 25) of the pressurised air to said cylinder and piston assembly (5), the distribution portion (9) including an upper body (15), a lower ring (17) and a mobile fluid-distribution slider capable of sliding between the body (15) and the ring (17), characterised in that the distribution portion (9) is provided in the cylinder (13) of the cylinder and piston assembly (5) at the upper portion (33) thereof and coaxially therewith, the fluid variable control (23, 25) is housed in the head (11) of the cylinder closing the upper portion (33) of the cylinder connected to a fluid-supply section (29), and said upper portion (33) of the cylinder includes two channels (37, 39) for supplying pressurised air in tight communication with the distribution portion (9) through the radial channels thereof.

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[Suite sur la page suivante]

WO 2009/092956 A3



Dispositif piqueur (1) à air comprimé et à commande variable comportant un ensemble cylindre et piston (5) d'actionnement d'un élément piqueur (7), et une partie de distribution (9) à commande variable (23, 25) de l'air comprimé audit ensemble cylindre et piston (5), la partie de distribution (9) comportant un corps supérieur (15), une bague inférieure (17) et un tiroir mobile de distribution de fluide monté coulissant entre le corps (15) et la bague (17), caractérisé en ce que la partie de distribution (9) est logée dans le cylindre (13) de l'ensemble cylindre et piston (5), à sa partie supérieure (33) et coaxialement à celui-ci, la commande variable (23, 25) du fluide est logée dans la tête (11) du cylindre fermant la partie supérieure (33) du cylindre, étant raccordée à une section d'alimentation (29) du fluide, et ladite partie supérieure (33) du cylindre comporte deux canaux (37, 39) d'acheminement de l'air comprimé en communication étanche avec la partie de distribution (9) par des canaux radiaux de celle-ci.

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B25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CH 227 392 A (STAHLWERK MARK WENGERN AKTIENG [DE]) 15 June 1943 (1943-06-15) figures 1,2 the whole document	1-12
A	GB 2 155 842 A (RIZHSKIJ POLT INST) 2 October 1985 (1985-10-02) the whole document	1
A	US 2 415 521 A (MATTHEW O'FARRELL) 11 February 1947 (1947-02-11) figure 1	1
A	US 2 254 695 A (FUEHRER GEORGE H) 2 September 1941 (1941-09-02) figure 1	1
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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Rabolini, Marco

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A	US 3 060 894 A (DEAN JR ROBERT C ET AL) 30 October 1962 (1962-10-30) the whole document figures 4,5 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 227392	A	15-06-1943	NONE	
GB 2155842	A	02-10-1985	NONE	
US 2415521	A	11-02-1947	NONE	
US 2254695	A	02-09-1941	NONE	
DE 1184304	B	31-12-1964	NONE	
US 3060894	A	30-10-1962	GB 908883 A	24-10-1962

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Rabolini, Marco

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