Title (en)

Equipment for suction and high pressure cleaning optimised by a logic unit

Title (de)

Von einer logischen Einheit optimierte Anlage zum Saug- und Hochdruckreinigen

Title (fr)

Equipement de nettoyage à aspiration et à haute pression optimisé par une unité logique

Publication

EP 0992635 A1 20000412 (EN)

Application

EP 99119283 A 19990928

Priority

IT MI982133 A 19981005

Abstract (en)

An equipment for suction and high pressure cleaning is described, which comprises at lest one drained liquid collection tank (C), a tank for cleaning water, a vacuum pump (PV) to create and maintain a set degree of vacuum inside the drained liquid collection tank (C), a pressure pump (PP) that supplies water at high pressure for cleaning and an engine (M) to drive the two pump (PV,PP) where the number of revolutions of at least one of the pumps (PP,PV) is independent from that of the other pump and from that of the engine (M). At least one of the pumps (PP, PV) is connected to the engine (M) by means of variable speed power transmissions (TP, TV), controlled by a logic unit (UL) which maintains the engine (M) at the minimum number of revolutions necessary to supply the energy required by the pumps (PP, PV). <IMAGE>

IPC 1-7

E03F 7/10; F04B 49/00; F04B 49/06

IPC 8 full level

B08B 9/02 (2006.01); **B08B 9/08** (2006.01); **E03F 9/00** (2006.01); **F04B 49/06** (2006.01)

CPC (source: EP)

B08B 9/0325 (2013.01); **B08B 9/0826** (2013.01); **E03F 9/00** (2013.01); **F04B 49/065** (2013.01); F04B 2203/0605 (2013.01)

Citation (search report)

- [A] US 4134174 A 19790116 - FLYNN THOMAS P, et al
- [A] EP 0234652 A1 19870902 - CALABRESE VEICOLI MUNICIPALI [IT]
- [A] EP 0616087 A1 19940921 - HELLMERS HERM J GMBH [DE]
- [A] GB 1460218 A 19761231 - POCLAIN SA

Cited by

DE102009036317A1; DE102009036317A8; EP2283938A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0992635 A1 20000412; **EP 0992635 B1 20040310**; **EP 0992635 B2 20090729**; AT 261522 T 20040315; DE 69915423 D1 20040415; IT 1302598 B1 20000929; IT MI982133 A1 20000406

DOCDB simple family (application)

EP 99119283 A 19990928; AT 99119283 T 19990928; DE 69915423 T 19990928; IT MI982133 A 19981005