

Title (en)

SURFACE CLEANER, SPRAYER AND RETRIEVAL UNIT

Title (de)

EINRICHTUNG ZUM REINIGEN VON OBERFLÄCHEN MIT SPRÜZERSTÄUBER UND WIEDERVERWENDUNGSEINHEIT

Title (fr)

NETTOYEUR DE SURFACES AVEC PULVERISATEUR ET SYSTEME DE RECUPERATION

Publication

**EP 1006854 A2 20000614 (EN)**

Application

**EP 97934883 A 19970702**

Priority

- US 9711694 W 19970702
- US 2106296 P 19960702
- US 74602596 A 19961104

Abstract (en)

[origin: WO9800239A2] A cyclonic power wash system including a roving sprayer and retrieval unit that uses high pressure, high temperature water for selectively cleaning large, flat, concrete or asphalt surfaces and can retrieve a substantial portion of the dispensed water along with the matter picked up from the surfaces. The sprayed water is reclaimed by the retrieval rotor that is power driven. The roving sprayer and retrieval unit can function as a stand alone unit or in combination with a component carrying platform that includes a reclamation tank in which the retri ved water and matter is processed and separated so that the separated water can be reused by the roving sprayer and retrieval unit. A rotary union in the roving sprayer and retrieval unit, prevents water, passing from the inlet of the rotary union to the discharge thereof, from leaking through or around a seal that is formed by pressing together a pair of hard, durable sealing surfaces. The invention can also be used as a liquid pick up device for example to pick up the deicing fluid that falls to the surface when spraying an aircraft to prevent icing.

IPC 1-7

**A47L 7/00**; **E01H 1/08**

IPC 8 full level

**A47L 11/30** (2006.01); **B08B 3/02** (2006.01); **E01H 1/10** (2006.01)

CPC (source: EP)

**B08B 3/024** (2013.01); **E01H 1/103** (2013.01); **B08B 2203/0229** (2013.01)

Cited by

WO2010061222A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 9800239 A2 19980108**; **WO 9800239 A3 19980625**; AU 3794497 A 19980121; AU 723056 B2 20000817; DE 69733576 D1 20050721; DE 69733576 T2 20060518; EP 1006854 A2 20000614; EP 1006854 A4 20020417; EP 1006854 B1 20050615; ES 2245002 T3 20051216; HK 1028942 A1 20010316; JP 2001508671 A 20010703; JP 4542630 B2 20100915

DOCDB simple family (application)

**US 9711694 W 19970702**; AU 3794497 A 19970702; DE 69733576 T 19970702; EP 97934883 A 19970702; ES 97934883 T 19970702; HK 00108026 A 20001214; JP 50449898 A 19970702