

Title (en)

Rotary rinse nozzle for aircraft waste tanks.

Title (de)

Rotierende Spüldüse für Flugzeugabfalltanks.

Title (fr)

Duse rotative de rinçage pour réservoir de matières résiduelles d'avion.

Publication

**EP 0494075 A1 19920708 (EN)**

Application

**EP 92100020 A 19920102**

Priority

US 63674691 A 19910102

Abstract (en)

A rinse nozzle for an aircraft waste tank includes a tubular member mountable at one end in an opening in the waste tank for receiving cleaning solution through said one end to the interior of the tubular member. The other end of the tubular member extends into the tank and is closed to prevent the exit of cleaning solution out that end. The tubular member has a midsection (32) with a reduced radius and a plurality of first openings (36) circumferentially spaced apart around the midsection. An annular collar (40) is rotatably disposed about the midsection of the tubular member and includes a plurality of second openings (64) disposed thereabout, at least some of which extend outwardly and rearwardly of the direction of rotation of the annular collar to thereby cause the collar to rotate as cleaning solution flows from the tubular member out the first openings against the collar and then out the second openings. A retainer ring (52) is positioned about the tubular member below the midsection to support and hold the collar on the tubular member about the midsection. <IMAGE>

IPC 1-7

**B08B 9/08**

IPC 8 full level

**B64D 11/02** (2006.01); **B05B 3/06** (2006.01); **B08B 9/093** (2006.01); **E03D 5/00** (2006.01)

CPC (source: EP)

**B05B 3/06** (2013.01); **B08B 9/0936** (2013.01)

Citation (search report)

- [X] US 3125297 A 19640317
- [X] US 4697740 A 19871006 - IVY EUGENE W [US]
- [Y] FR 2263037 A1 19751003 - VRILLACQ JEAN MARIE [FR]

Cited by

EP0745437A1; WO2008058541A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0494075 A1 19920708**; JP H06171598 A 19940621

DOCDB simple family (application)

**EP 92100020 A 19920102**; JP 33708491 A 19911219