

Title (en)
Rotary Nozzle spray device

Title (de)
Drehspritzvorrichtung

Title (fr)
Dispositif rotatif de pulvérisation

Publication
EP 0810035 A2 19971203 (EN)

Application
EP 97201477 A 19970516

Priority
IT RE960043 A 19960530

Abstract (en)

The device comprises an inner chamber (10) having a liquid exit (11), with a nozzle (20) positioned in the chamber (10) and traversed, for liquid passage, by an axial conduit (21) having a front portion (22) positioned in correspondence with and closing the exit, and a rear portion (23) arranged to roll on the surface (12) of the chamber (10). To the nozzle (20) there is joined a cap (23) of circular section, coaxial with the conduit (21) and communicating with it, its concavity facing upstream, to define the rear portion of the nozzle (20); a second nozzle (30) is positioned upstream of the first nozzle (20) and is arranged to rotate about the device axis (A) to emit a liquid jet directed against the inner surface of the cap (23) in a direction having at least one component radial to this surface; the second nozzle (30) is associated with means (32) for rotating it by the energy possessed by the liquid. <IMAGE>

IPC 1-7
B05B 3/04

IPC 8 full level
B05B 3/04 (2006.01)

CPC (source: EP)
B05B 3/0463 (2013.01)

Cited by
JP2015144747A; US6766967B2; WO03095098A1

Designated contracting state (EPC)
DE DK FR GB IT NL

DOCDB simple family (publication)
EP 0810035 A2 19971203; EP 0810035 A3 19980902; IT 1287746 B1 19980818; IT RE960043 A0 19960530; IT RE960043 A1 19971130

DOCDB simple family (application)
EP 97201477 A 19970516; IT RE960043 A 19960530