

Title (en)
NOZZLE AND EJECTOR

Title (de)
DÜSE UND AUSWERFER

Title (fr)
BUSE ET EJECTEUR

Publication
EP 1579919 A1 20050928 (EN)

Application
EP 02793458 A 20021227

Priority
JP 0213844 W 20021227

Abstract (en)
[origin: WO2004060569A1] A nozzle and an ejector the entirety of which are made compact. The nozzle comprises an outer nozzle (13) and an inner nozzle (14) formed of a flexible tubular member and having a free end at the forward end part. The outer nozzle (13) has a base end communicating with a pressure gas supply (2) and a forward end provided with a channel (15) having a gas jet opening. The inner nozzle (14) has a base end communicating with a sub-medium supply and a forward end provided with a passage (1) having a sub-medium jet opening. The sub-medium jet opening is disposed in a negative pressure area in the vicinity of the gas jet opening. When gas is jetted, forward part of inner and outer nozzles performs swing motion and the sub-medium is sucked through the passage and jetted under a state mixed with the gas.

IPC 1-7
B05B 1/00; **B05B 7/02**

IPC 8 full level
B05B 3/00 (2006.01); **B05B 7/24** (2006.01)

CPC (source: EP)
B05B 3/00 (2013.01); **B05B 7/2435** (2013.01)

Citation (search report)
See references of WO 2004060569A1

Cited by
EP2221110A1; EP2221111A4; ES2721785A1; EP3957401A4; GB2475121A; GB2475121B; DE202011107606U1; WO2019149974A1

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 1579919 A1 20050928; AU 2002359945 A1 20040729; CN 100464865 C 20090304; CN 1741857 A 20060301; WO 2004060569 A1 20040722

DOCDB simple family (application)
EP 02793458 A 20021227; AU 2002359945 A 20021227; CN 02830197 A 20021227; JP 0213844 W 20021227