

Title (en)  
Spray extraction valve

Title (de)  
Sprühextraktionsdüse

Title (fr)  
Buse d'extraction par vaporisation

Publication  
**EP 1880651 B1 20100623 (DE)**

Application  
**EP 07012023 A 20070620**

Priority  
DE 102006033514 A 20060718

Abstract (en)  
[origin: EP1880651A2] The nozzle (1) has an adapter (5) provided for processing surfaces having different properties, where the adapter is connected with the nozzle by a swivellable axis (4, 4'). The adapter is swivellable from a resting position distant from a sucker (3) into an operating position in front of the sucker. The adapter is detachably locked in the operating position, where the axis is designed as a two-piece and a part of the axis is changeable in position.

IPC 8 full level  
**A47L 9/06** (2006.01); **A47L 11/34** (2006.01)

CPC (source: EP US)  
**A47L 9/06** (2013.01 - EP US); **A47L 9/0633** (2013.01 - EP US); **A47L 11/34** (2013.01 - EP US); **A47L 11/4022** (2013.01 - EP US); **A47L 11/4044** (2013.01 - EP US)

Cited by  
WO2015121718A1; WO2015039706A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2008016642 A1 20080124; US 7870639 B2 20110118**; AT E471686 T1 20100715; CN 101108114 A 20080123; CN 101108114 B 20101208; DE 102006033514 B3 20071227; DE 502007004173 D1 20100805; EP 1880651 A2 20080123; EP 1880651 A3 20081015; EP 1880651 B1 20100623; PL 1880651 T3 20110131; RU 2007127420 A 20090127; RU 2358638 C2 20090620

DOCDB simple family (application)  
**US 82371907 A 20070628**; AT 07012023 T 20070620; CN 200710136634 A 20070718; DE 102006033514 A 20060718; DE 502007004173 T 20070620; EP 07012023 A 20070620; PL 07012023 T 20070620; RU 2007127420 A 20070717