

Title (en)
SURFACE TREATMENT APPARATUS

Title (de)
OBERFLÄCHENBEHANDLUNGSGERÄT

Title (fr)
APPAREIL DE TRAITEMENT DE SURFACE

Publication
EP 2578728 A1 20130410 (EN)

Application
EP 11786385 A 20110303

Priority
• JP 2010121414 A 20100527
• JP 2011054920 W 20110303

Abstract (en)
Disclosed is a surface treatment apparatus including one of a positive electrode member and a negative electrode member to be electrically connected to a treatment-object article made of metal and having an annular treatment-object area in an outer circumferential face thereof, a frame member having a non-conductive inner circumferential face opposed with a gap to the outer circumferential face and to the annular treatment-object area, a non-conductive elastic seal member capable of forming an electrolysis solution path along the annular treatment-object area by sealing the gaps between portions of the outer circumferential face opposed to each other across the annular treatment-object area and the inner circumferential face, the other one of the positive electrode member and the negative electrode member having a bar-like shape with a leading end portion that protrudes into the electrolysis solution path toward the treatment-object article, and an electrolysis solution circulating means for circulating an amount of electrolysis solution along the electrolysis solution path.

IPC 8 full level
C25D 17/00 (2006.01); **C25D 5/02** (2006.01); **C25D 11/00** (2006.01)

CPC (source: EP US)
C25D 5/02 (2013.01 - EP US); **C25D 11/005** (2013.01 - EP US); **C25D 17/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2011148685A1

Cited by
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