

Title (en)
REFUELLING SYSTEM AND METHOD

Title (de)
BETANKUNGS-SYSTEM UND -VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE RAVITAILLEMENT

Publication
EP 2927191 A3 20151209 (DE)

Application
EP 15164131 A 20130228

Priority
• DE 102012003702 A 20120228
• EP 13707841 A 20130228

Abstract (en)
[origin: WO2013127941A2] The invention relates to a device for filling a tank with a liquid medium, in particular a urea solution, comprising a filling pipe and comprising a suction channel for removing air from the tank. The invention is characterized in that at least one air guiding element is provided inside the suction channel, said air guiding element being designed to deflect the air transversely to the longitudinal axis of the filling pipe.

IPC 8 full level
B67D 7/02 (2010.01); **B67D 7/04** (2010.01); **B67D 7/28** (2010.01); **B67D 7/46** (2010.01); **B67D 7/54** (2010.01)

CPC (source: EP US)
B67D 7/02 (2013.01 - EP US); **B67D 7/0488** (2013.01 - EP US); **B67D 7/28** (2013.01 - EP US); **B67D 7/46** (2013.01 - US);
B67D 7/465 (2013.01 - EP US); **B67D 7/54** (2013.01 - EP US)

Citation (search report)
• [XY] US 4522237 A 19850611 - ENDO KEIZO [JP], et al
• [Y] EP 2281774 A1 20110209 - APEL HELGA [DE]
• [Y] WO 03074186 A1 20030912 - MITCHELL THOMAS O [US]
• [Y] DE 202009009647 U1 20091022 - APEL HELGA [DE]
• [Y] DE 202009001520 U1 20100805 - HORN GMBH & CO KG [DE]
• [X] US 3916961 A 19751104 - DILGER LAWRENCE
• [X] DE 3228265 A1 19830331 - TOKYO TATSUNO KK [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102013003314 A1 20130829; EP 2819947 A2 20150107; EP 2927191 A2 20151007; EP 2927191 A3 20151209;
US 2015013826 A1 20150115; WO 2013127941 A2 20130906; WO 2013127941 A3 20131219

DOCDB simple family (application)
DE 102013003314 A 20130228; EP 13707841 A 20130228; EP 15164131 A 20130228; EP 2013054073 W 20130228;
US 201314381959 A 20130228