

Title (en)
SUPPORT LEG ARRANGEMENT FOR A WORK MACHINE LIKE A DREDGER

Title (de)
STÜTZBEINANORDNUNG FÜR EINE ARBEITSMASCHINE, Z. B. EINEN BAGGER

Title (fr)
AGENCEMENT DE PIEDS DE SUPPORT POUR UN ENGIN DE TRAVAIL TEL QU'UNE DRAGUE

Publication
EP 2686492 A4 20141217 (EN)

Application
EP 12756996 A 20120315

Priority
• FI 20110091 A 20110315
• FI 2012000015 W 20120315

Abstract (en)
[origin: WO2012123622A1] Support leg arrangement of a work machine (1) like a dredger meant to work in water systems in which arrangement the support legs are meant to extend to the bottom of the water system in order to keep the work machine (1) in its place during the working in which case at least one pair of support legs consists of arms (3) which are at their upper end attached to the work machine (1) with the help of a joint and the mentioned arms (3) can be turned underneath the water surface with the help of a power device, such as a hydraulic cylinder (2) when the lower ends of the arms (3) are meant to extend to the bottom of the water system and that the lower ends of the arms (3) are equipped with an expansion part, such as with an air container (4) or a paw (12), (13) resting on the bottom. In order to adjust the path of the lower end of the arm (3) to reach as deeply as possible at the extreme position of its turning movement, but not however to the area which is directly underneath the work machine (1) and in front of it, the mentioned expansion part (4),(12),(13) resting on the bottom is equipped with an anti-skid device, (14) and/or with a supporting structure (15) which increases the reach of the support leg downwards at the extreme position of the turning movement of the arm (3) both when the arm (3) is being used without an extension part (6) and when the arm (3) is being used with an extension part (6).

IPC 8 full level
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CPC (source: EP FI)
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Citation (search report)
• [YD] DE 2411115 A1 19740919 - TRAKTORISERING AB
• [Y] FR 2553128 A1 19850412 - BRIAND ETS [FR]
• [Y] FR 1463335 A 19661223 - A U W RIEDEMANN LANDMASCHINEN
• [Y] US 4070978 A 19780131 - VIRGILIO DEL P
• See references of WO 2012123622A1

Designated contracting state (EPC)
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WO 2012123622 A1 20120920; EP 2686492 A1 20140122; EP 2686492 A4 20141217; EP 2686492 B1 20170503; FI 127384 B 20180430; FI 20110091 A0 20110315; FI 20110091 A 20120916; FI 20110091 L 20120916

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