

Title (en)

Assistance system, in particular for use during ice rescue situations

Title (de)

Hilfssystem, insbesondere zur Verwendung bei der Eisrettung

Title (fr)

Système d'aide, notamment pour l'utilisation lors du secours sur glace

Publication

EP 2322423 A3 20120808 (DE)

Application

EP 10013739 A 20101018

Priority

DE 102009054094 A 20091112

Abstract (en)

[origin: EP2322423A2] The auxiliary system (100) has a base element (110) and an expandable hose arrangement (120) which has a hose section for forming a hose path (125). A pressure fluid system is provided for filling the hose section with pressure fluid. The hose section is guided between a hose reservoir and a head section through a hose guiding device (160). A pressure fluid inlet is fitted in the area of the head section.

IPC 8 full level

B63C 9/32 (2006.01); **E01D 15/20** (2006.01)

CPC (source: EP US)

B63C 9/32 (2013.01 - EP US); **E01D 15/20** (2013.01 - EP US)

Citation (search report)

- [XYI] GB 2310237 A 19970820 - AYRES JEFFREY IAN [GB]
- [Y] US 4968046 A 19901106 - O'CONNELL MICHAEL J [US], et al
- [A] US 2004217563 A1 20041104 - BUTTS KENNETH E [US]
- [AD] US 4990114 A 19910205 - LEBLANC JR GEORGE W [US]
- [A] US 6190222 B1 20010220 - SENER DAVID [US]
- [AD] US 4106149 A 19780815 - LARSSON ERIK JOHAN

Cited by

CN103935488A; WO2020103180A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2322423 A2 20110518; EP 2322423 A3 20120808; EP 2322423 B1 20150708; DE 102009054094 A1 20110519;
US 2011159755 A1 20110630

DOCDB simple family (application)

EP 10013739 A 20101018; DE 102009054094 A 20091112; US 94481810 A 20101112