

Title (en)

ELECTRODE-DRAIN STRUCTURES FOR DEWATERING OF SUSPENSIONS.

Title (de)

ENTWÄSSERUNGSSTRUKTUREN MIT ELEKTRODEN ZUR ENTWÄSSERUNG VON SUSPENSIONEN.

Title (fr)

STRUCTURES DE DRAIN A ELECTRODES POUR DESHYDRATATION DE SUSPENSIONS.

Publication

**EP 0269628 A4 19880729 (EN)**

Application

**EP 86905146 A 19860815**

Priority

- AU PH478686 A 19860225
- AU PH195885 A 19850815
- AU PH596286 A 19860519

Abstract (en)

[origin: WO8701057A1] An electrode arrangement for use in dewatering and consolidating a fine suspension comprises an upwardly extending porous boundary wall (14) for a body of suspension to be dewatered and adjacent the boundary wall (14) at least one upwardly extending electrode (16) adapted to form part of an anode/cathode system. The electrode arrangement is used in a method of dewatering a body of suspension wherein it is provided at a boundary of the body of suspension and a dewatering electric power supply is applied across the at least one upwardly extending electrode (16) of the arrangement and at least one further electrode (22) provided within the body; said supply being applied for a time sufficient to achieve a desired degree of dewatering of the suspension.

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CPC (source: EP)

**B01D 24/007** (2013.01); **B01D 24/04** (2013.01); **B01D 29/01** (2013.01); **B01D 29/23** (2013.01); **B01D 29/52** (2013.01); **B01D 35/06** (2013.01); **B01D 61/56** (2013.01); **B01D 2201/10** (2013.01); **B01D 2201/287** (2013.01)

Citation (search report)

- [XP] EP 0164458 A1 19851218 - DORR OLIVER INC [US]
- [AE] EP 0203713 A2 19861203 - DORR OLIVER INC [US]
- [A] DE 1005931 C
- [A] EP 0088697 A1 19830914 - NICKEL LE [FR]
- [X] CHEMICAL ENGINEERING PROGRESS, vol. 78, no. 8, August 1982, pages 74-79, AIChE, New York, US; M.P. FREEMAN: "Vacuum electrofiltration"
- See references of WO 8701057A1

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