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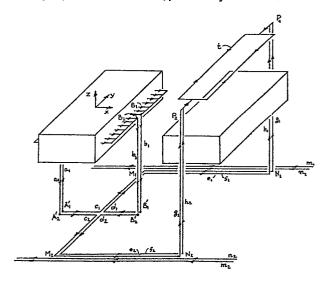
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Method and apparatus for electric current supply of pots for electrolytic production of metals, particularly aluminium.

Method and relevant apparatus for the electric current supply to pots for the electrolytic production of metals, particularly aluminium, arranged in side-by-side or end-to-end relationship and electrically connected in series, consisting in carrying most of the electric current in the circuit of said series of pots by means of conductors $(a_1a_2; b_1b_2)$, $(c_1d_1; c_2d_2)$, $(c_1f_1; e_2f_2)$, $(g_1h_1; g_2h_2)$, $(m_1n_1; m_2n_2)$, all having the same cross-section and being always combined, in the individual circuit sections, in couples of the same length, all said couples of conductors being furthermore symmetrically positioned with respect to the transverse median vertical plane XZ and/or to the longitudinal median vertical plane YZ of the single pots in the series.

By the present invention, and in compliance with the objects thereof, a high compensation and the total symmetrization (with respect to the vertical median planes) of the components of the induction magnetic field in the single pots of the series and, by consequence, the minimization and the total symmetrization of the effects of the magnetic forces operating in the molten areas of said pots are achieved.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT				
Category		ith indication, where appropriate, want passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Y	US-A-4 210 514 * Figures 5,6;	(MOREL et al.) claims *	1-7	C 25 C 3/16
Y	US-A-4 169 034 * Figure 2; cla	 (MOREL et al.) ims *	1-7	
Y	FR-A-2 378 107 PECHINEY) * Claims *	 (ALUMINIUM	1-7	
Y	DE-B-1 161 695 COMPAGNIE DE PR ET ELECTROMETAL * Claims *	ODUITS CHIMIQUES	1-7	
Y	DE-B-1 049 108 * Figures; clai	 (ELEKTROKEMISK) ms *	1-7	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
	The present search report has t	een drawn up for all claims	-	
Place of search Date of comple THE HAGUE 21-04		Date of completion of the search 21-04-1983	GRUND	Examiner OKE H.H.
Y: pari doc A: tecl O: non	CATEGORY OF CITED DOCU ticularly relevant if taken alone ticularly relevant if combined we turnent of the same category thological background the disclosure the disclosure	E: earlier pa after the f ith another D: documen L: documen	tent document, t illing date t cited in the app t cited for other i	ying the invention out published on, or olication reasons out family, corresponding