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Oxidation-resistant pitches.

(57)

A new oxidation-resistant pitch composition is obtained by treating in the molten state a coal tar or petroleum pitch with at least one pitch-soluble and compatible alkyl-aryl sulfonic acid or some salts thereof in an amount of less than 1% of said pitch, with a pitch suitable for making an electrode treated that way, upon subsequent carbonization in conjunction with petroleum coke, an electrode can be formed, with great resistance to oxidation, and with very little dusting. Due to increased coking value of the pitch, the fuming is decreased both during the art of making electrodes and during the use of same in the actual electrolysis thus providing environmental benefits. Such a pitch may also be used as a refractory material.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	FR-A- 879 656 (BATAAFSCHE PETROLEUM MAATSCHAPPIJ) * Page 1, lines 33-50; page 3, lines 92-103 *	1, 4, 5, 11	C 10 C 3/02
A	--- US-A-2 669 525 (D.W. BRANSKY et al.) * Column 1, lines 1-24; column 2, lines 25-32; column 7, lines 50-56 *	1	
A	--- US-A-3 539 370 (A.C. PITCHFORD) * Column 2, lines 14-41; column 4, lines 69-75 *	1	
A	--- CHEMICAL ABSTRACTS, vol. 89, no. 4, July 24, 1978, page 176, no. 27394f, Columbus, Ohio, US; & RO - A - 58 599 (CRETULESCU, CONSTANTIN) 30-09-1975 * Abstract *	1, 2	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) C 10 C C 04 B C 08 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13-11-1984	Examiner KERRES P.M.G.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			