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(54) Processes for producing high grade asphaltic materials from low grade bituminous materials and products resulting therefrom.

(57) Disclosed is a process for producing high grade asphaltic materials from low grade bituminous materials and the improved products resulting therefrom. More particularly, there is disclosed a process for preparing novel high quality paving grade asphalt cements and novel roofing grade asphalts from poor and marginal quality bituminous materials by passing an oxidizing gas through the bituminous starting material in the presence of a carbonate salt as catalyst, for example, sodium carbonate or bicarbonate. Other carbonates and sesquicarbonates may also be used.

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EUROPEAN SEARCH REPORT

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EP 81 30 5559

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)
X	FR-A-1 471 456 WITCO CHEM. CC. * Page 1, right-hand column, paragraph 4; page 2, left-hand column, paragraph 1; page 2, left-hand column, last paragraph; page 2, right-hand column, paragraph 1 *	1-3,5-7,10	C 10 C 3/04
D	& US - A - 3 440 073		
X,D	US-A-1 782 186 G. ABSCN * Page 1, lines 4-25, 92-100; page 2, lines 80-90 *	1-3,5,6	
A,E	US-A-2 370 007 D.E. CARR * Column 1, lines 29-55 *	1,2,5,6	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A,E	US-A-2 179 208 R.E. BURK et al. * Column 1, lines 32-48 *	1,2,5,6	C 10 C
A,D	US-A-2 287 511 R.E. BURK et al.		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-03-1982	Examiner KERRES P.M.G.
CATEGORY OF CITED DOCUMENTS			
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		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	