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Process for preparing modified asphalts.

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An asphalt is modified by mild oxidation, with for example, air, oxygen or hydrogen peroxide, at a temperature of 140°C to 170°C for up to one hour such that the softening point of the asphalt is not materially altered. Substantially reduced reactivity toward sulfur is imparted. Such a mildly oxidised asphalt can be treated immediately with sulfur at a temperature of 120°C to 170°C to form a sulfur modified product. Alternatively, the mildly oxidised product can be stored hot and subsequently treated with sulfur, for example, at a road-making site, without the high hydrogen sulfide evolution often encountered with known products.

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EUROPEAN SEARCH REPORT

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EP 82 30 5812

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- 778 523 (E. ROGGATZ et al.) * Page 3, lines 63-74, 7-10; page 2, lines 69-73; page 4, lines 13-16 *	1-3, 5, 7	C 10 C 3/04
A	US-A-2 182 837 (R.F. BACON et al.) * Column 1, lines 42-50; column 2, lines 19-25 *	1-4	
A	FR-A-1 567 671 (DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU BERLIN) * Page 2, lines 13-17 *	1	
A	FR-A-1 435 913 (COMPAGNIE FRANCAISE DU RAFFINAGE) * Page 1, right-hand column, paragraph 4 *	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) C 10 C
A	US-A-2 148 869 (E.B. McCONNELL) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28-10-1983	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			