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(54) Title: BITUMEN COMPOSITIONS AND A PROCESS FOR THEIR PREPARATION (57) Abstract The invention provides a process for preparing a bitumen composition comprising blowing a mixture with an oxygen-containing gas which mixture comprises a bitumen having a penetration of less than 300 dmm (as measured by ASTM D 5 at 25 °C) and a thermoplastic rubber which is present in an amount of less than 5 wt.%, based on total mixture; bitumen compositions obtainable by such process; and the use of such bitumen compositions in asphalt mixtures for road applications.		