

**SELECTIVE HYDROGENATION PROCESS EMPLOYING A
SULPHURIZED CATALYST WITH A SPECIFIC COMPOSITION**

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ABSTRACT

The invention concerns a process for carrying out joint selective
10 hydrogenation of polyunsaturated compounds into mono-unsaturated compounds
contained in gasolines, as well as weighting light sulphur-containing compounds
by reaction with unsaturated compounds, said process employing a supported
catalyst comprising at least one metal from group VIb and at least one non-noble
metal from group VIII used in the sulphurized form deposited on a support. The
15 catalyst has a specific composition, an optimized ratio of group VIb metal to
group VIII metal and an optimized density of the element from group VIb per unit
surface area of catalyst.