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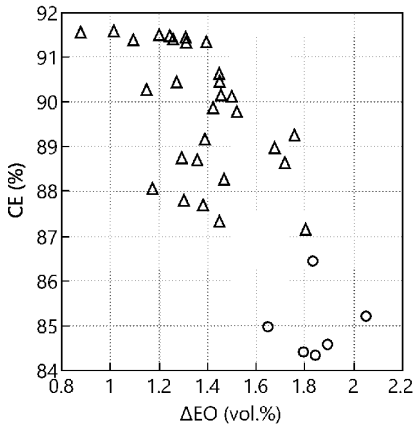
(54) Title: ALKYLENE OXIDE CATALYST THAT CAN BE MANUFACTURED RAPIDLY IN ONE STEP

Figure 1. Screening results, catalysts 11-45. Inventive and comparative are shown as triangles and circles, respectively.



(57) Abstract: A supported silver catalyst and use thereof in a process for producing an olefin oxide, such as ethylene oxide, by the direct oxidation of an alkylene with oxygen or an oxygen-containing gas, wherein the catalyst provides good catalyst activity and/or efficiency despite loading levels of silver in the range of 16 to 25%.

WO 2023/287500 A1

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