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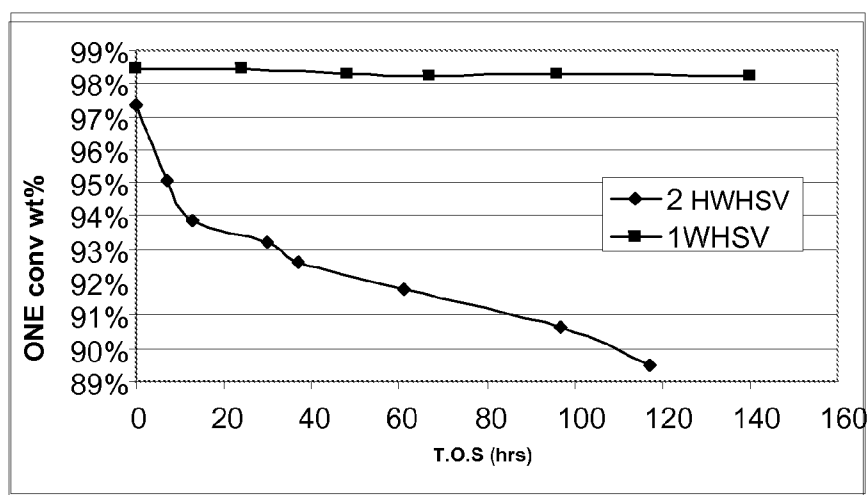
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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(54) Title: PROCESS FOR PRODUCING PHENOL

Figure 1



(57) Abstract: In a process for the dehydrogenation of cyclohexanone to produce phenol, cyclohexanone is contacted in a reaction zone under dehydrogenation conditions with a dehydrogenation catalyst comprising (i) a support comprising silica; and (ii) a dehydrogenation component comprising at least one metal selected from Group 10 of Periodic Table of Elements. Contact of the dehydrogenation catalyst with the cyclohexanone is then terminated and the dehydrogenation catalyst is contacted with an inert gas and/or hydrogen at a temperature of at least 300°C. Contact of the dehydrogenation catalyst with additional cyclohexanone is subsequently reestablished.



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