

Title (en)
HYDROPEROXIDE DECOMPOSITION PROCESS

Title (de)
HYDROPEROXIDZERSETZUNGSVERFAHREN

Title (fr)
PROCEDE DE DECOMPOSITION D'HYDROPEROXYDE

Publication
EP 1159240 A1 20011205 (EN)

Application
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Priority
US 9905228 W 19990310

Abstract (en)
[origin: WO0053550A1] An improved process for decomposing alkyl or aromatic hydroperoxides to form a decomposition reaction mixture containing the corresponding alcohol and ketone. The improvement relates to decomposing the hydroperoxide by contacting the hydroperoxide with a catalytic amount of a heterogeneous catalyst comprised of gold, wherein one or more additional metals selected from Periodic Group VIII is/are also present with gold. Moreover, the catalysts are optionally supported on a suitable support member, such as SiO₂, Al₂O₃, carbon, zirconia, MgO or TiO₂. The process may also optionally be run in the presence of hydrogen gas.

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C07C 27/00; C07C 45/53; C07C 37/08

IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)
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