

Title (en)
PRODUCTION EQUIPMENT FOR PRODUCTION OF CAPROLACTONE

Title (de)
HERSTELLUNGSAUSRÜSTUNG ZUR HERSTELLUNG VON CAPROLACTON

Title (fr)
ÉQUIPEMENT DE PRODUCTION SERVANT À PRODUIRE UNE CAPROLACTONE

Publication
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Application
EP 17763648 A 20170303

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Abstract (en)
[origin: GB2548138A] A reactor for producing caprolactone comprising reaction of peracetic acid (also known as ethaneperoxoic acid, peroxyacetic acid, acetic peroxide, acetyl hydroperoxide, proxitane) and cyclohexanone, is preferably split into a first section wherein peracetic acid is produced, a second section wherein caprolactone is produced and a third section wherein yielded caprolactone product is purified.

IPC 8 full level
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Citation (search report)
• [I] US 3766212 A 19731016 - WALDMANN H, et al
• [I] US 3625975 A 19711207 - CRAMPTON CLIFFORD A, et al
• [I] US 4994583 A 19910219 - PRALUS MICHELE [FR], et al
• [I] EP 1004576 A1 20000531 - SOLVAY [BE]
• [IY] CN 103539770 A 20140129 - UNIV CHANGZHOU
• [Y] US 2008275132 A1 20081106 - MCSHERRY DAVID D [US], et al
• [Y] US 2006173209 A1 20060803 - VINEYARD MARK K [US], et al
• [Y] US 4341709 A 19820727 - HOFEN WILLI, et al
• [Y] JP S5742684 A 19820310 - DAICEL LTD
• See references of WO 2017155441A1

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