



RAPIC project: toward a new generation of inexpensive heat exchanger-reactors for process intensification

Submitted by Thierry Lemenand on Tue, 03/10/2015 - 18:16

Titre	RAPIC project: toward a new generation of inexpensive heat exchanger-reactors for process intensification
Type de publication	Communication
Type	Communication avec actes dans un congrès
Année	2009
Langue	Anglais
Date du colloque	14-17/06/2009
Titre du colloque	EPIC, European Process Intensification Conference
Pagination	6
Auteur	Tochon, Patrice [1], Couturier, R. [2], Gourdon, Christophe [3], Cabassud, Michel [4], Lemenand, Thierry [5], Della Valle, Dominique [6], Peerhossaini, Hassan [7]
Pays	Italie
Editeur	EFCE (European Federation of Chemical Engineering)
Ville	Venice
Mots-clés	Low price [8], multifunctional heat exchanger-reactor [9], Process intensification [10], RAPIC project [11]
Résumé en anglais	<p>Process intensification (PI) in chemical production is a major concern of chemical manufacturers. This alternative technology involves transposing syntheses into continuous plug flow reactors with process intensification, leading to a multifunctional heat exchanger-reactor.</p> <p>In this context, the RAPIC R&D project aims to develop an innovative low-cost component (in the 10 kg/hour range). This project deals with the design from the local to the global scale and with testing, from elementary mock-ups to pilot scale. The present paper gives a detailed description of this research project and presents the main results on specification and definition of the reaction channel and the first simple mock-ups.</p>
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